

# Comware V7 LLDP NETCONF XML API Data Reference

---

# Contents

|                       |    |
|-----------------------|----|
| LLDP                  | 1  |
| LLDP/LLDPNeighbors    | 1  |
| XML structure         | 1  |
| Table description     | 1  |
| Columns               | 1  |
| LLDP/CDPNeighbors     | 2  |
| XML structure         | 2  |
| Table description     | 2  |
| Columns               | 3  |
| LLDP/GlobalStatus     | 3  |
| XML structure         | 3  |
| Table description     | 4  |
| Columns               | 4  |
| LLDP/SysCaps          | 6  |
| XML structure         | 6  |
| Table description     | 7  |
| Columns               | 7  |
| LLDP/Inventory        | 8  |
| XML structure         | 8  |
| Table description     | 9  |
| Columns               | 9  |
| LLDP/GlobalStatistics | 9  |
| XML structure         | 10 |
| Table description     | 10 |
| Columns               | 10 |
| LLDP/Interfaces       | 10 |
| XML structure         | 11 |
| Table description     | 11 |
| Columns               | 11 |
| LLDP/IfAgents         | 12 |
| XML structure         | 12 |
| Table description     | 12 |
| Columns               | 12 |
| LLDP/TLVSelects       | 14 |
| XML structure         | 14 |
| Table description     | 15 |
| Columns               | 15 |
| LLDP/ELINumbers       | 17 |
| XML structure         | 18 |
| Table description     | 18 |
| Columns               | 18 |
| LLDP/CivicAddresses   | 18 |
| XML structure         | 18 |
| Table description     | 19 |
| Columns               | 19 |
| LLDP/IfStatistics     | 20 |
| XML structure         | 20 |
| Table description     | 20 |
| Columns               | 21 |

|                         |    |
|-------------------------|----|
| LLDP/NbBasicInfos       | 21 |
| XML structure           | 22 |
| Table description       | 22 |
| Columns                 | 22 |
| LLDP/NbSysCaps          | 24 |
| XML structure           | 24 |
| Table description       | 25 |
| Columns                 | 25 |
| LLDP/NbManageAddresses  | 27 |
| XML structure           | 27 |
| Table description       | 27 |
| Columns                 | 28 |
| LLDP/NbDot1Infos        | 29 |
| XML structure           | 29 |
| Table description       | 29 |
| Columns                 | 30 |
| LLDP/NbProtocolVLANs    | 31 |
| XML structure           | 31 |
| Table description       | 31 |
| Columns                 | 31 |
| LLDP/NbVLANNames        | 32 |
| XML structure           | 32 |
| Table description       | 32 |
| Columns                 | 33 |
| LLDP/NbDot3Infos        | 33 |
| XML structure           | 33 |
| Table description       | 34 |
| Columns                 | 34 |
| LLDP/NbMEDInfos         | 35 |
| XML structure           | 35 |
| Table description       | 36 |
| Columns                 | 36 |
| LLDP/NbELINumbers       | 38 |
| XML structure           | 38 |
| Table description       | 38 |
| Columns                 | 38 |
| LLDP/NbCivicAddresses   | 39 |
| XML structure           | 39 |
| Table description       | 39 |
| Columns                 | 39 |
| LLDP/NbNetworkPolicies  | 40 |
| XML structure           | 40 |
| Table description       | 41 |
| Columns                 | 41 |
| LLDP/NbUnknownBasicTLVs | 42 |
| XML structure           | 42 |
| Table description       | 42 |
| Columns                 | 43 |
| LLDP/NbUnknownOrgTLVs   | 43 |
| XML structure           | 43 |
| Table description       | 44 |
| Columns                 | 44 |
| LLDP/LocalBasicInfos    | 44 |
| XML structure           | 45 |

|                                 |    |
|---------------------------------|----|
| Table description .....         | 45 |
| Columns .....                   | 45 |
| LLDP/LocalManageAddresses ..... | 46 |
| XML structure .....             | 46 |
| Table description .....         | 46 |
| Columns .....                   | 47 |
| LLDP/LocalDot1Infos .....       | 47 |
| XML structure .....             | 47 |
| Table description .....         | 48 |
| Columns .....                   | 48 |
| LLDP/LocalDot3Infos .....       | 49 |
| XML structure .....             | 49 |
| Table description .....         | 50 |
| Columns .....                   | 50 |
| LLDP/LocalMEDInfos .....        | 51 |
| XML structure .....             | 51 |
| Table description .....         | 52 |
| Columns .....                   | 52 |

# LLDP

## LLDP/LLDPNeighbors

This table contains LLDP neighbor information.

### XML structure

```
<LLDP>
  <LLDPNeighbors>
    <LLDPNeighbor>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <SystemName></SystemName>
      <ChassisId></ChassisId>
      <PortId></PortId>
    </LLDPNeighbor>
  </LLDPNeighbors>
</LLDP>
```

### Table description

| Item         | Description                                                     |
|--------------|-----------------------------------------------------------------|
| Feature name | LLDP                                                            |
| Table name   | LLDPNeighbors                                                   |
| Table type   | Multi-instance table                                            |
| Row name     | LLDPNeighbor                                                    |
| Restrictions | This table supports only Ethernet interfaces that support LLDP. |

### Columns

| Column name   | Column description | Column type | Data type and restrictions            |
|---------------|--------------------|-------------|---------------------------------------|
| TimeMark      | Time mark          | Index       | Unsigned integer.<br>Length: 32 bits. |
| IfIndex       | Interface index    | Index       | Unsigned integer.<br>Length: 32 bits. |
| NeighborIndex | Neighbor index     | Index       | Unsigned integer.<br>Length: 32 bits. |

|            |                    |     |                                         |
|------------|--------------------|-----|-----------------------------------------|
| SystemName | System name        | N/A | String.<br>Length: 0 to 255 characters. |
| ChassisId  | Chassis name       | N/A | String.<br>Length: 0 to 255 characters. |
| PortId     | Neighbor port name | N/A | String.<br>Length: 0 to 255 characters. |

## LLDP/CDPNeighbors

This table contains CDP neighbor information.

### XML structure

```
<LLDP>
  <CDPNeighbors>
    <CDPNeighbor>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <ChassisId></ChassisId>
      <PortId></PortId>
      <ManageAddress></ManageAddress>
      <SoftwareVersion></SoftwareVersion>
      <PlatformVersion></PlatformVersion>
      <Duplex></Duplex>
      <TTL></TTL>
    </CDPNeighbor>
  </CDPNeighbors>
</LLDP>
```

### Table description

| Item         | Description                                                    |
|--------------|----------------------------------------------------------------|
| Feature name | LLDP                                                           |
| Table name   | CDPNeighbors                                                   |
| Table type   | Multi-instance table                                           |
| Row name     | CDPNeighbor                                                    |
| Restrictions | This table supports only Ethernet interfaces that support CDP. |

## Columns

| Column name     | Column description | Column type | Data type and restrictions                                                                                                                                               | Remarks                            |
|-----------------|--------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| TimeMark        | Time mark          | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                    | N/A                                |
| IfIndex         | Interface index    | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                    | N/A                                |
| NeighborIndex   | Neighbor index     | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                    | N/A                                |
| ChassisId       | Chassis name       | N/A         | String.<br>Length: 0 to 255 characters.                                                                                                                                  | N/A                                |
| PortId          | Port name          | N/A         | String.<br>Length: 0 to 255 characters.                                                                                                                                  | N/A                                |
| ManageAddress   | Management address | N/A         | String.<br>Length: 0 to 31 characters.                                                                                                                                   | Only IPv4 addresses are supported. |
| SoftwareVersion | Software version   | N/A         | String.<br>Length: 0 to 255 characters.                                                                                                                                  | N/A                                |
| PlatformVersion | Platform version   | N/A         | String.<br>Length: 0 to 255 characters.                                                                                                                                  | N/A                                |
| Duplex          | Duplex type        | N/A         | Unsigned integer.<br>Length: 8 bits.<br>Enumeration: <ul style="list-style-type: none"><li>• 0—Half duplex.</li><li>• 1—Full duplex.</li><li>• Others—Unknown.</li></ul> | N/A                                |
| TTL             | Time to live       | N/A         | Unsigned integer.<br>Length: 8 bits.                                                                                                                                     | N/A                                |

## LLDP/GlobalStatus

This table contains LLDP global status information.

### XML structure

```
<LLDP>  
  <GlobalStatus>
```

```

<Enable></Enable>
<CDP></CDP>
<TxInterval></TxInterval>
<FastInterval></FastInterval>
<ReInitDelay></ReInitDelay>
<NotifyInterval></NotifyInterval>
<Mode></Mode>
<MaxCredit></MaxCredit>
<HoldMult></HoldMult>
<FastCount></FastCount>
<ChassisID>
  <SubType></SubType>
  <ID></ID>
</ChassisID>
<SystemName></SystemName>
<SystemDesc></SystemDesc>
<DeviceClass></DeviceClass>
</GlobalStatus>
</LLDP>

```

## Table description

| Item         | Description           |
|--------------|-----------------------|
| Feature name | LLDP                  |
| Table name   | GlobalStatus          |
| Table type   | Single-instance table |
| Row name     | None                  |
| Restrictions | None                  |

## Columns

| Column name | Column description                     | Column type | Data type and restrictions                                                                                      |
|-------------|----------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------|
| Enable      | Whether LLDP is enabled globally.      | N/A         | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Enabled.</li> <li><b>false</b>—Disabled.</li> </ul> |
| CDP         | Whether CDP is enabled.                | N/A         | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Enabled.</li> <li><b>false</b>—Disabled.</li> </ul> |
| TxInterval  | Transmission interval for LLDP frames. | N/A         | Unsigned integer.<br>Value range: 5 to 32768.<br>Unit: second.                                                  |



| Column name    | Column description                          | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                                                                             |
|----------------|---------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FastInterval   | Fast transmission interval for LLDP frames. | N/A            | Unsigned integer.<br>Value range: 1 to 3600.<br>Unit: second.                                                                                                                                                                                                                                                                                          |
| RelnitDelay    | Re-initialization delay.                    | N/A            | Unsigned integer.<br>Value range: 1 to 10.<br>Unit: second.                                                                                                                                                                                                                                                                                            |
| NotifyInterval | Notification interval for traps.            | N/A            | Unsigned integer.<br>Value range: 5 to 3600.<br>Unit: second.                                                                                                                                                                                                                                                                                          |
| Mode           | Bridge mode.                                | N/A            | Enumeration:<br><ul style="list-style-type: none"> <li>• <b>0</b>—Customer bridge mode.</li> <li>• <b>1</b>—Service bridge mode.</li> </ul>                                                                                                                                                                                                            |
| MaxCredit      | Token bucket size for sending LLDP frames.  | N/A            | Unsigned integer.<br>Value range: 1 to 100.                                                                                                                                                                                                                                                                                                            |
| HoldMult       | TTL multiplier.                             | N/A            | Unsigned integer.<br>Value range: 2 to 10.                                                                                                                                                                                                                                                                                                             |
| FastCount      | Number of fast transmitted LLDP frames.     | N/A            | Unsigned integer.<br>Value range: 1 to 8.                                                                                                                                                                                                                                                                                                              |
| ChassisID      | Chassis identifier information.             | Data structure | Members include:<br><ul style="list-style-type: none"> <li>• SubType.</li> <li>• ID.</li> </ul>                                                                                                                                                                                                                                                        |
| SubType        | Chassis ID subtype.                         | N/A            | Enumeration:<br><ul style="list-style-type: none"> <li>• <b>0</b>—Reserved.</li> <li>• <b>1</b>—Chassis component.</li> <li>• <b>2</b>—Interface alias.</li> <li>• <b>3</b>—Port component.</li> <li>• <b>4</b>—MAC address.</li> <li>• <b>5</b>—Network address.</li> <li>• <b>6</b>—Interface name.</li> <li>• <b>7</b>—Locally assigned.</li> </ul> |
| ID             | Chassis ID.                                 | N/A            | Base64 Binary.<br>Length: 1 to 255 octets.<br>The format of data depends on the chassis ID subtype.                                                                                                                                                                                                                                                    |
| SystemName     | System name.                                | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                                                                                                                                                |
| SystemDesc     | System description.                         | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                                                                                                                                                |

| Column name | Column description | Column type | Data type and restrictions                                                                                                                                   |
|-------------|--------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DeviceClass | MED device class.  | N/A         | Enumeration: <ul style="list-style-type: none"> <li>• 1—Class I.</li> <li>• 2—Class II.</li> <li>• 3—Class III.</li> <li>• 4—Connectivity device.</li> </ul> |

## LLDP/SysCaps

This table contains LLDP system capability information.

### XML structure

```

<LLDP>
  <SysCaps>
    <Support>
      <Other></Other>
      <Repeater></Repeater>
      <Bridge></Bridge>
      <WLANAccessPoint></WLANAccessPoint>
      <Router></Router>
      <Telephone></Telephone>
      <DocsisCableDevice></DocsisCableDevice>
      <StationOnly></StationOnly>
      <CustomerBridge></CustomerBridge>
      <ServiceBridge></ServiceBridge>
      <TPMR></TPMR>
    </Support>
    <Enable>
      <Other></Other>
      <Repeater></Repeater>
      <Bridge></Bridge>
      <WLANAccessPoint></WLANAccessPoint>
      <Router></Router>
      <Telephone></Telephone>
      <DocsisCableDevice></DocsisCableDevice>
      <StationOnly></StationOnly>
      <CustomerBridge></CustomerBridge>
      <ServiceBridge></ServiceBridge>
      <TPMR></TPMR>
    </Enable>
  </SysCaps>
</LLDP>

```

## Table description

| Item         | Description           |
|--------------|-----------------------|
| Feature name | LLDP                  |
| Table name   | SysCaps               |
| Table type   | Single-instance table |
| Row name     | None                  |
| Restrictions | None                  |

## Columns

| Column name     | Column description      | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Support         | Supported capabilities. | Data structure | Members include: <ul style="list-style-type: none"><li>• Other.</li><li>• Repeater.</li><li>• Bridge.</li><li>• WlanAccessPoint.</li><li>• Router.</li><li>• Telephone.</li><li>• DocsisCableDevice.</li><li>• StationOnly.</li><li>• Customer Bridge.</li><li>• Service Bridge.</li><li>• TPMR.</li></ul> |
| Other           |                         |                | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Supported.</li><li>• <b>false</b>—Not supported.</li></ul>                                                                                                                                                                                    |
| Repeater        |                         |                | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Supported.</li><li>• <b>false</b>—Not supported.</li></ul>                                                                                                                                                                                    |
| Bridge          |                         |                | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Supported.</li><li>• <b>false</b>—Not supported.</li></ul>                                                                                                                                                                                    |
| WLANAccessPoint |                         |                | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Supported.</li><li>• <b>false</b>—Not supported.</li></ul>                                                                                                                                                                                    |
| Router          |                         |                | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Supported.</li><li>• <b>false</b>—Not supported.</li></ul>                                                                                                                                                                                    |

| Column name       | Column description                        | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Telephone         | Whether telephone is supported.           | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                                                                                                                                             |
| DocsisCableDevice | Whether docsis cable device is supported. | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                                                                                                                                             |
| StationOnly       | Whether station only is supported.        | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                                                                                                                                             |
| CustomerBridge    | Whether customer bridge is supported.     | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                                                                                                                                             |
| ServiceBridge     | Whether service bridge is supported.      | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                                                                                                                                             |
| TPMR              | Whether TPMR is supported.                | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                                                                                                                                             |
| Enable            | Enabled capabilities.                     | Data structure | Members include: <ul style="list-style-type: none"> <li>• Other.</li> <li>• Repeater.</li> <li>• Bridge.</li> <li>• WlanAccessPoint.</li> <li>• Router.</li> <li>• Telephone.</li> <li>• DocsisCableDevice.</li> <li>• StationOnly.</li> <li>• Customer Bridge.</li> <li>• Service Bridge.</li> <li>• TPMR.</li> </ul> |

## LLDP/Inventory

This table contains LLDP inventory information.

### XML structure

```

<LLDP>
  <Inventory>
    <HardwareRev></HardwareRev>
    <FirmwareRev></FirmwareRev>
    <SoftwareRev></SoftwareRev>

```

```

    <SerialNum></SerialNum>
    <Manufacturer></Manufacturer>
    <ModelName></ModelName>
    <AssetID></AssetID>
  </Inventory>
</LLDP>

```

## Table description

| Item         | Description           |
|--------------|-----------------------|
| Feature name | LLDP                  |
| Table name   | Inventory             |
| Table type   | Single-instance table |
| Row name     | None                  |
| Restrictions | None                  |

## Columns

| Column name  | Column description | Column type | Data type and restrictions              |
|--------------|--------------------|-------------|-----------------------------------------|
| HardwareRev  | Hardware revision  | N/A         | String.<br>Length: 0 to 255 characters. |
| FirmwareRev  | Firmware revision  | N/A         | String.<br>Length: 0 to 255 characters. |
| SoftwareRev  | Software revision  | N/A         | String.<br>Length: 0 to 255 characters. |
| SerialNum    | Serial number      | N/A         | String.<br>Length: 0 to 255 characters. |
| Manufacturer | Manufacturer name  | N/A         | String.<br>Length: 0 to 255 characters. |
| ModelName    | Model name         | N/A         | String.<br>Length: 0 to 255 characters. |
| AssetID      | Asset identifier   | N/A         | String.<br>Length: 0 to 255 characters. |

## LLDP/GlobalStatistics

This table contains LLDP global statistics information.

## XML structure

```
<LLDP>
  <GlobalStatistics>
    <LastUpdate></LastUpdate>
    <NbAdd></NbAdd>
    <NbDelete></NbDelete>
    <NbDrop></NbDrop>
    <NbAged></NbAged>
  </GlobalStatistics>
</LLDP>
```

## Table description

| Item         | Description           |
|--------------|-----------------------|
| Feature name | LLDP                  |
| Table name   | GlobalStatistics      |
| Table type   | Single-instance table |
| Row name     | None                  |
| Restrictions | None                  |

## Columns

| Column name | Column description                             | Column type | Data type and restrictions                             |
|-------------|------------------------------------------------|-------------|--------------------------------------------------------|
| LastUpdate  | Time when the most recent neighbor was updated | N/A         | Unsigned integer.<br>Length: 32 bits.<br>Unit: second. |
| NbAdd       | Total number of added neighbors                | N/A         | Unsigned integer.<br>Length: 32 bits.                  |
| NbDelete    | Total number of deleted neighbors              | N/A         | Unsigned integer.<br>Length: 32 bits.                  |
| NbDrop      | Total number of dropped neighbors              | N/A         | Unsigned integer.<br>Length: 32 bits.                  |
| NbAged      | Total number of aged-out neighbors             | N/A         | Unsigned integer.<br>Length: 32 bits.                  |

## LLDP/Interfaces

This table contains LLDP interface information.

## XML structure

```
<LLDP>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Enable></Enable>
      <CDP></CDP>
      <MEDTopoChange></MEDTopoChange>
    </Interface>
  </Interfaces>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | Interfaces           |
| Table type   | Multi-instance table |
| Row name     | Interface            |
| Restrictions | None                 |

## Columns

| Column name   | Column description                    | Column type | Data type and restrictions                                                                                                                                    |
|---------------|---------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IfIndex       | Interface index.                      | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                         |
| Enable        | Whether the interface is enabled.     | N/A         | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled.</li><li>• <b>false</b>—Disabled.</li></ul>                                              |
| CDP           | Whether CDP compatibility is enabled. | N/A         | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled. CDP packets can be transmitted and received.</li><li>• <b>false</b>—Disabled.</li></ul> |
| MEDTopoChange | Whether LLDP-MED trapping is enabled. | N/A         | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled.</li><li>• <b>false</b>—Disabled.</li></ul>                                              |

# LLDP/IfAgents

This table contains LLDP interface agent information.

## XML structure

```
<LLDP>
  <IfAgents>
    <IfAgent>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <AdminStatus>
        <Tx></Tx>
        <Rx></Rx>
      </AdminStatus>
      <CheckChangeInterval></CheckChangeInterval>
      <Encap></Encap>
      <AddressFormat></AddressFormat>
      <RemoteChange></RemoteChange>
      <LLDPNbNum></LLDPNbNum>
      <CDPNbNum></CDPNbNum>
      <MEDNbNum></MEDNbNum>
      <OptionalTLVNum></OptionalTLVNum>
      <UnknownTLVNum></UnknownTLVNum>
    </IfAgent>
  </IfAgents>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | IfAgents             |
| Table type   | Multi-instance table |
| Row name     | IfAgent              |
| Restrictions | None                 |

## Columns

| Column name | Column description | Column type | Data type and restrictions            |
|-------------|--------------------|-------------|---------------------------------------|
| IfIndex     | Interface index.   | Index       | Unsigned integer.<br>Length: 32 bits. |



| Column name         | Column description                                                         | Column type    | Data type and restrictions                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AgentID             | LLDP agent ID.                                                             | Index          | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Nearest bridge agent.</li> <li>• <b>2</b>—Nearest non-TPMR agent.</li> <li>• <b>3</b>—Nearest customer agent.</li> </ul> |
| AdminStatus         | LLDP operating mode of the interface.                                      | Data structure | Members include: <ul style="list-style-type: none"> <li>• Tx.</li> <li>• Rx.</li> </ul>                                                                                                 |
| Tx                  | Whether an LLDP interface agent can only send LLDP frames.                 | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Yes.</li> <li>• <b>false</b>—No.</li> </ul>                                                                               |
| Rx                  | Whether an LLDP interface agent can only receive LLDP frames.              | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Yes.</li> <li>• <b>false</b>—No.</li> </ul>                                                                               |
| CheckChangeInterval | LLDP polling interval.                                                     | N/A            | Unsigned integer.<br>Value range: 0 to 30.<br>Unit: second.                                                                                                                             |
| Encap               | LLDP frame format.                                                         | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—Ethernet II encapsulation.</li> <li>• <b>1</b>—SNAP encapsulation.</li> </ul>                                            |
| AddressFormat       | Management address format.                                                 | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—Number.</li> <li>• <b>1</b>—String.</li> </ul>                                                                           |
| RemoteChange        | Whether LLDP trapping is enabled.                                          | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul>                                                                     |
| LLDPNbNum           | Total number of LLDP neighbors on the interface.                           | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |
| CDPNbNum            | Total number of CDP neighbors on the interface.                            | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |
| MEDNbNum            | Total number of MED neighbors on the interface.                            | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |
| OptionalTLVNum      | Total number of optional TLVs in the most recently transmitted LLDP frame. | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |
| UnknownTLVNum       | Total number of unknown TLVs received in all LLDP frames.                  |                | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |

# LLDP/TLVSelects

This table contains LLDP TLV transmitting status information.

## XML structure

```
<LLDP>
  <TLVSelects>
    <TLV>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <PortDesc></PortDesc>
      <SysName></SysName>
      <SysDesc></SysDesc>
      <SysCap></SysCap>
      <ManageAddress>
        <SubType></SubType>
        <Address></Address>
        <Enable></Enable>
      </ManageAddress>
      <PVID></PVID>
      <ProtocolVLAN>
        <VLANID></VLANID>
        <Enable></Enable>
      </ProtocolVLAN>
      <VLANName>
        <VLANID></VLANID>
        <Enable></Enable>
      </VLANName>
      <DCBX></DCBX>
      <LinkAgg></LinkAgg>
      <ManageVLAN>
        <VLANID></VLANID>
        <Enable></Enable>
      </ManageVLAN>
      <EVB></EVB>
      <QCN></QCN>
      <MACPHY></MACPHY>
      <Power></Power>
      <MaxFrame></MaxFrame>
      <MEDCapability></MEDCapability>
      <NetworkPolicy></NetworkPolicy>
      <ExtPower></ExtPower>
      <Inventory></Inventory>
    </TLV>
  </TLVSelects>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | TLVSelects           |
| Table type   | Multi-instance table |
| Row name     | TLV                  |
| Restrictions | None                 |

## Columns

| Column name   | Column description                                              | Column type    | Data type and restrictions                                                                                                                                                          |
|---------------|-----------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IfIndex       | Interface index.                                                | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| AgentID       | LLDP agent ID.                                                  | Index          | Enumeration: <ul style="list-style-type: none"><li>• <b>1</b>—Nearest bridge agent.</li><li>• <b>2</b>—Nearest non-TPMR agent.</li><li>• <b>3</b>—Nearest customer agent.</li></ul> |
| PortDesc      | Whether the transmission of port description TLVs is enabled.   | N/A            | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled.</li><li>• <b>false</b>—Disabled.</li></ul>                                                                    |
| SysName       | Whether the transmission of system name TLVs is enabled.        | N/A            | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled.</li><li>• <b>false</b>—Disabled.</li></ul>                                                                    |
| SysDesc       | Whether the transmission of system description TLVs is enabled. | N/A            | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled.</li><li>• <b>false</b>—Disabled.</li></ul>                                                                    |
| SysCap        | Whether the transmission of system capability TLVs is enabled.  | N/A            | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled.</li><li>• <b>false</b>—Disabled.</li></ul>                                                                    |
| ManageAddress | Management address TLV information.                             | Data structure | Members include: <ul style="list-style-type: none"><li>• SubType.</li><li>• AddressValue.</li><li>• Enable.</li></ul>                                                               |
| SubType       | Subtype of the management address.                              | N/A            | Enumeration: <ul style="list-style-type: none"><li>• <b>1</b>—IPv4.</li></ul>                                                                                                       |

| Column name  | Column description                                                     | Column type    | Data type and restrictions                                                                                          |
|--------------|------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------|
| Address      | Management address.                                                    | N/A            | Base64 Binary.<br>Length: 1 to 31 octets.<br>The format of data depends on the management address subtype.          |
| Enable       | Whether the transmission of management address TLVs is enabled.        |                | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| PVID         | Whether the transmission of port VLAN ID TLVs is enabled.              | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| ProtocolVLAN | Port and protocol VLAN ID TLV information.                             | Data structure | Members include: <ul style="list-style-type: none"> <li>• VLANID.</li> <li>• Enable.</li> </ul>                     |
| VLANID       | VLAN ID.                                                               | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                        |
| Enable       | Whether the transmission of port and protocol VLAN ID TLVs is enabled. | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| VLANName     | VLAN name TLV information.                                             | Data structure | Members include: <ul style="list-style-type: none"> <li>• VLANID.</li> <li>• Enable.</li> </ul>                     |
| VLANID       | VLAN ID.                                                               | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                        |
| Enable       | Whether the transmission of VLAN name TLVs is enabled.                 | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| DCBX         | Whether the transmission of DCBX TLVs is enabled.                      | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| LinkAgg      | Whether the transmission of link aggregation TLVs is enabled.          | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| ManageVLAN   | Management VLAN TLV information.                                       | Data structure | Members include: <ul style="list-style-type: none"> <li>• VLANID.</li> <li>• Enable.</li> </ul>                     |
| VLANID       | VLAN ID.                                                               | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                        |

| Column name   | Column description                                                        | Column type | Data type and restrictions                                                                                          |
|---------------|---------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| Enable        | Whether the transmission of management VLAN TLVs is enabled.              | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| EVB           | Whether the transmission of EVB TLVs is enabled.                          | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| QCN           | Whether the transmission of QCN TLVs is enabled.                          | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| MACPHY        | Whether the transmission of MAC/PHY configuration/status TLVs is enabled. | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| Power         | Whether the transmission of power via MDI TLVs is enabled.                | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| MaxFrame      | Whether the transmission of max frame size TLVs is enabled.               | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| MEDCapability | Whether the transmission of MED capability TLVs is enabled.               | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| NetworkPolicy | Whether the transmission of network policy TLVs is enabled.               | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| ExtPower      | Whether the transmission of extended power via MDI TLVs is enabled.       | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |
| Inventory     | Whether the transmission of inventory TLVs is enabled.                    | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul> |

## LLDP/ELINumbers

This table contains information about LLDP emergency location identification numbers.

## XML structure

```
<LLDP>
  <ELINumbers>
    <ELIN>
      <IfIndex></IfIndex>
      <ELINumber></ELINumber>
      <Enable></Enable>
    </ELIN>
  </ELINumbers>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | ELINumbers           |
| Table type   | Multi-instance table |
| Row name     | ELIN                 |
| Restrictions | None                 |

## Columns

| Column name | Column description                                       | Column type | Data type and restrictions                                                                                       |
|-------------|----------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------|
| IfIndex     | Interface index.                                         | Index       | Unsigned integer.<br>Length: 32 bits.                                                                            |
| ELINumber   | Emergency location identification number.                | N/A         | Numeric String.<br>Length: 10 to 25 characters.                                                                  |
| Enable      | Whether the transmission of location ID TLVs is enabled. | N/A         | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Enabled.</li><li>• <b>false</b>—Disabled.</li></ul> |

## LLDP/CivicAddresses

This table contains LLDP civic address information.

## XML structure

```
<LLDP>
  <CivicAddresses>
```

```

<CivicAddress>
  <IfIndex></IfIndex>
  <DeviceType></DeviceType>
  <CountryCode></CountryCode>
  <CA>          <!-- Repeatabl e -->
    <Type></Type>
    <Value></Value>
  </CA>
  <Enable></Enable>
</CivicAddress>
</CivicAddresses>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | CivicAddresses       |
| Table type   | Multi-instance table |
| Row name     | CivicAddress         |
| Restrictions | None                 |

## Columns

| Column name | Column description         | Column type    | Data type and restrictions                                                                                                                                   |
|-------------|----------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IfIndex     | Interface index.           | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| DeviceType  | Device type.               | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—DHCP Server.</li> <li>• <b>1</b>—Network device.</li> <li>• <b>2</b>—MED endpoint.</li> </ul> |
| CountryCode | Country code.              | N/A            | String.<br>Length: 2 characters.<br>Letters in the string should be uppercased.                                                                              |
| CA          | Civic address information. | Data structure | Members include: <ul style="list-style-type: none"> <li>• Type.</li> <li>• Value.</li> </ul>                                                                 |
| Type        | Civic address type.        | N/A            | Unsigned integer.<br>Value range: 0 to 255.                                                                                                                  |
| Value       | Civic address.             | N/A            | String.<br>Length: 0 to 250 characters.                                                                                                                      |

| Column name | Column description                                       | Column type | Data type and restrictions                                                                                      |
|-------------|----------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------|
| Enable      | Whether the transmission of location ID TLVs is enabled. | N/A         | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Enabled.</li> <li><b>false</b>—Disabled.</li> </ul> |

## LLDP/IfStatistics

This table contains LLDP interface statistics information.

### XML structure

```

<LLDP>
  <IfStatistics>
    <Stats>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <TxFrameNum></TxFrameNum>
      <RxFrameNum></RxFrameNum>
      <DiscardFrameNum></DiscardFrameNum>
      <ErrorFrameNum></ErrorFrameNum>
      <DiscardTLVNum></DiscardTLVNum>
      <UnknownTLVNum></UnknownTLVNum>
      <AgedNbNum></AgedNbNum>
      <TxCDPFrameNum></TxCDPFrameNum>
      <RxCDPFrameNum></RxCDPFrameNum>
      <DiscardCDPFrameNum></DiscardCDPFrameNum>
      <ErrorCDPFrameNum></ErrorCDPFrameNum>
    </Stats>
  </IfStatistics>
</LLDP>

```

### Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | IfStatistics         |
| Table type   | Multi-instance table |
| Row name     | Stats                |
| Restrictions | None                 |



## Columns

| Column name   | Column description                    | Column type | Data type and restrictions                                                                                                                                   |
|---------------|---------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IfIndex       | Interface index                       | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| AgentID       | LLDP agent ID                         | Index       | Enumeration: <ul style="list-style-type: none"> <li>1—Nearest bridge agent.</li> <li>2—Nearest non-TPMR agent.</li> <li>3—Nearest customer agent.</li> </ul> |
| TxFNum        | The number of transmitted LLDP frames | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| RxFNum        | The number of received LLDP frames    | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| DiscardFNum   | The number of discarded LLDP frames   | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| ErrorFNum     | The number of LLDP error frames       | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| DiscardTLVNum | The number of discarded LLDP TLVs     | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| UnknownTLVNum | The number of unknown LLDP TLVs       | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| AgedNbNum     | The number of aged-out LLDP neighbors | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| TxCDFNum      | The number of transmitted CDP frames  | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| RxCDFNum      | The number of received CDP frames     | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| DiscardCDFNum | The number of discarded CDP frames    | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| ErrorCDFNum   | The number of CDP error frames        | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |

## LLDP/NbBasicInfos

This table contains basic information about LLDP neighbors.

## XML structure

```
<LLDP>
  <NbBasicInfos>
    <BasicInfo>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <ChassisID>
        <SubType></SubType>
        <ID></ID>
      </ChassisID>
      <PortID>
        <SubType></SubType>
        <ID></ID>
      </PortID>
      <TTL></TTL>
      <PortDesc></PortDesc>
      <SystemName></SystemName>
      <SystemDesc></SystemDesc>
    </BasicInfo>
  </NbBasicInfos>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbBasicInfos         |
| Table type   | Multi-instance table |
| Row name     | BasicInfo            |
| Restrictions | None                 |

## Columns

| Column name | Column description | Column type | Data type and restrictions            |
|-------------|--------------------|-------------|---------------------------------------|
| TimeMark    | Time mark          | Index       | Unsigned integer.<br>Length: 32 bits. |
| IfIndex     | Interface index    | Index       | Unsigned integer.<br>Length: 32 bits. |

| Column name   | Column description             | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                  |
|---------------|--------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AgentID       | LLDP agent ID                  | Index          | Enumeration: <ul style="list-style-type: none"> <li>• 1—Nearest bridge agent.</li> <li>• 2—Nearest non-TPMR agent.</li> <li>• 3—Nearest customer agent.</li> </ul>                                                                                                                          |
| NeighborIndex | Neighbor index                 | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                       |
| ChassisID     | Chassis identifier information | Data structure | Members include: <ul style="list-style-type: none"> <li>• SubType.</li> <li>• ID.</li> </ul>                                                                                                                                                                                                |
| SubType       | Subtype of the chassis ID      | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• 0—Reserved.</li> <li>• 1—Chassis component.</li> <li>• 2—Interface alias.</li> <li>• 3—Port component.</li> <li>• 4—MAC address.</li> <li>• 5—Network address.</li> <li>• 6—Interface name.</li> <li>• 7—Locally assigned.</li> </ul> |
| ID            | Chassis ID                     | N/A            | Base64 Binary.<br>Length: 1 to 255 octets.<br>The format of data depends on the chassis ID subtype.                                                                                                                                                                                         |
| PortID        | Port identifier information    | Data structure | Members include: <ul style="list-style-type: none"> <li>• SubType.</li> <li>• ID.</li> </ul>                                                                                                                                                                                                |
| SubType       | Subtype of the port ID         | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• 0—Reserved.</li> <li>• 1—Interface alias.</li> <li>• 2—Port component.</li> <li>• 3—MAC address.</li> <li>• 4—Network address.</li> <li>• 5—Interface name.</li> <li>• 6—Agent circuit ID.</li> <li>• 7—Locally assigned.</li> </ul>  |
| ID            | Port ID                        | N/A            | Base64 Binary.<br>Length: 1 to 255 octets.<br>The format of data depends on the port ID subtype.                                                                                                                                                                                            |
| TTL           | Time to Live                   | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                       |

| Column name | Column description | Column type | Data type and restrictions              |
|-------------|--------------------|-------------|-----------------------------------------|
| PortDesc    | Port description   | N/A         | String.<br>Length: 0 to 255 characters. |
| SystemName  | System name        | N/A         | String.<br>Length: 0 to 255 characters. |
| SystemDesc  | System description | N/A         | String.<br>Length: 0 to 255 characters. |

## LLDP/NbSysCaps

This table contains information about the system capabilities of LLDP neighbors.

### XML structure

```

<LLDP>
  <NbSysCaps>
    <SysCap>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <Support>
        <Other></Other>
        <Repeater></Repeater>
        <Bridge></Bridge>
        <WLANAccessPoint></WLANAccessPoint>
        <Router></Router>
        <Telephone></Telephone>
        <DocsisCableDevice></DocsisCableDevice>
        <StationOnly></StationOnly>
        <CustomerBridge></CustomerBridge>
        <ServiceBridge></ServiceBridge>
        <TPMR></TPMR>
      </Support>
      <Enable>
        <Other></Other>
        <Repeater></Repeater>
        <Bridge></Bridge>
        <WLANAccessPoint></WLANAccessPoint>
        <Router></Router>
        <Telephone></Telephone>
        <DocsisCableDevice></DocsisCableDevice>
        <StationOnly></StationOnly>
        <CustomerBridge></CustomerBridge>
      </Enable>
    </SysCap>
  </NbSysCaps>
</LLDP>

```

```

        <ServiceBridge></ServiceBridge>
        <TPMR></TPMR>
    </Enable>
</SysCap>
</NbSysCaps>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbSysCaps            |
| Table type   | Multi-instance table |
| Row name     | SysCap               |
| Restrictions | None                 |

## Columns

| Column name   | Column description      | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                       |
|---------------|-------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark      | Time mark.              | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                            |
| IfIndex       | Interface index.        | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                            |
| AgentID       | LLDP agent ID.          | Index          | Enumeration: <ul style="list-style-type: none"> <li>1—Nearest bridge agent.</li> <li>2—Nearest non-TPMR agent.</li> <li>3—Nearest customer agent.</li> </ul>                                                                                                                                     |
| NeighborIndex | Neighbor index.         | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                            |
| Support       | Supported capabilities. | Data structure | Members include: <ul style="list-style-type: none"> <li>Other.</li> <li>Repeater.</li> <li>Bridge.</li> <li>WlanAccessPoint.</li> <li>Router.</li> <li>Telephone.</li> <li>DocsisCableDevice.</li> <li>StationOnly.</li> <li>Customer Bridge.</li> <li>Service Bridge.</li> <li>TPMR.</li> </ul> |

| Column name       | Column description                                  | Column type | Data type and restrictions                                                                                                 |
|-------------------|-----------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------|
| Other             | Whether capabilities out of the list are supported. | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| Repeater          | Whether repeater is supported.                      | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| Bridge            | Whether bridge is supported.                        | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| WLANAccessPoint   | Whether WLAN AP is supported.                       | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| Router            | Whether router is supported.                        | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| Telephone         | Whether telephone is supported.                     | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| DocsisCableDevice | Whether docsis cable device is supported.           | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| StationOnly       | Whether station only is supported.                  | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| CustomerBridge    | Whether customer bridge is supported.               | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| ServiceBridge     | Whether service bridge is supported.                | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |
| TPMR              | Whether TPMR is supported.                          | N/A         | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul> |

| Column name | Column description    | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                                             |
|-------------|-----------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enable      | Enabled capabilities. | Data structure | Members include: <ul style="list-style-type: none"> <li>• Other.</li> <li>• Repeater.</li> <li>• Bridge.</li> <li>• WlanAccessPoint.</li> <li>• Router.</li> <li>• Telephone.</li> <li>• DocsisCableDevice.</li> <li>• StationOnly.</li> <li>• Customer Bridge.</li> <li>• Service Bridge.</li> <li>• TPMR.</li> </ul> |

## LLDP/NbManageAddresses

This table contains information about the management addresses of LLDP neighbors.

### XML structure

```

<LLDP>
  <NbManageAddresses>
    <ManageAddress>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <SubType></SubType>
      <Address></Address>
      <InterfaceType></InterfaceType>
      <InterfaceID></InterfaceID>
    </ManageAddress>
  </NbManageAddresses>
</LLDP>

```

### Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbManageAddresses    |
| Table type   | Multi-instance table |
| Row name     | ManageAddress        |

|              |       |
|--------------|-------|
| Restrictions | None. |
|--------------|-------|

## Columns

| Column name   | Column description                | Column type | Data type and restrictions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|-----------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark      | Time mark                         | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IfIndex       | Interface index                   | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| AgentID       | LLDP agent ID                     | Index       | Enumeration: <ul style="list-style-type: none"> <li>1—Nearest bridge agent.</li> <li>2—Nearest non-TPMR agent.</li> <li>3—Nearest customer agent.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NeighborIndex | Neighbor index                    | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SubType       | Subtype of the management address | Index       | Enumeration: <ul style="list-style-type: none"> <li>0—Other.</li> <li>1—IPv4.</li> <li>2—IPv6.</li> <li>3—NSAP.</li> <li>4—HDLC.</li> <li>5—BBN1822.</li> <li>6—All802.</li> <li>7—E163.</li> <li>8—E164.</li> <li>9—F69.</li> <li>10—X121.</li> <li>11—IPX.</li> <li>12—AppleTalk.</li> <li>13—DECNetIV.</li> <li>14—BanyanVines.</li> <li>15—E164WithNSAP.</li> <li>16—DNS.</li> <li>17—DistinguishedName.</li> <li>18—ASNumber.</li> <li>19—XTPoverIPv4.</li> <li>20—XTPoverIPv6.</li> <li>21—XTPNativeModeXTP.</li> <li>22—FibreChannelWWPN.</li> <li>23—FibreChannelWWNN.</li> <li>24—GWID.</li> </ul> |



| Column name   | Column description | Column type | Data type and restrictions                                                                                                                     |
|---------------|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Address       | Management address | Index       | Base64 Binary.<br>Length: 1 to 31 octets.<br>The format of data depends on the management address subtype.                                     |
| InterfaceType | Interface type     | N/A         | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Unknown.</li> <li>• <b>2</b>—IfIndex.</li> <li>• <b>3</b>—PortIndex.</li> </ul> |
| InterfaceID   | Interface ID       | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                          |

## LLDP/NbDot1Infos

This table contains the IEEE 802.1 organizationally specific information about LLDP neighbors.

### XML structure

```

<LLDP>
  <NbDot1Infos>
    <Dot1Info>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <PVID></PVID>
      <ManageVLAN></ManageVLAN>
      <ProtocolID></ProtocolID> <!-- Repeatable -->
      <LinkAgg>
        <Support></Support>
        <Enable></Enable>
        <PortIndex></PortIndex>
      </LinkAgg>
      <VIDUsage></VIDUsage>
    </Dot1Info>
  </NbDot1Infos>
</LLDP>

```

### Table description

| Item         | Description |
|--------------|-------------|
| Feature name | LLDP        |
| Table name   | NbDot1Infos |

|              |                      |
|--------------|----------------------|
| Table type   | Multi-instance table |
| Row name     | Dot1Info             |
| Restrictions | None                 |

## Columns

| Column name   | Column description                     | Column type    | Data type and restrictions                                                                                                                                   | Remarks    |
|---------------|----------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| TimeMark      | Time mark.                             | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                        | N/A        |
| IfIndex       | Interface index.                       | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                        | N/A        |
| AgentID       | LLDP agent ID.                         | Index          | Enumeration: <ul style="list-style-type: none"> <li>1—Nearest bridge agent.</li> <li>2—Nearest non-TPMR agent.</li> <li>3—Nearest customer agent.</li> </ul> | N/A        |
| NeighborIndex | Neighbor index.                        | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                        | N/A        |
| PVID          | Neighbor interface PVID.               | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                                                                 | N/A        |
| ManageVLAN    | Management VLAN ID.                    | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                                                                 | N/A        |
| ProtocolID    | Protocol ID.                           | N/A            | Base64 Binary.<br>Length: 1 to 255 octets.<br>The format of data depends on the protocol.                                                                    | Repeatable |
| LinkAgg       | Link aggregation information.          | Data structure | Members include: <ul style="list-style-type: none"> <li>Support.</li> <li>Enable.</li> <li>PortIndex.</li> </ul>                                             | N/A        |
| Support       | Whether link aggregation is supported. | N/A            | Boolean: <ul style="list-style-type: none"> <li>true—Supported.</li> <li>false—Not supported.</li> </ul>                                                     | N/A        |
| Enable        | Whether link aggregation is enabled.   | N/A            | Boolean: <ul style="list-style-type: none"> <li>true—Enabled.</li> <li>false—Disabled.</li> </ul>                                                            | N/A        |
| PortIndex     | Member port ID.                        | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                        | N/A        |
| VIDUsage      | VID usage digest.                      | N/A            | Base64 Binary.<br>Length: 4 octets.                                                                                                                          | N/A        |

# LLDP/NbProtocolVLANs

This table contains information about the protocol VLANs of LLDP neighbors.

## XML structure

```
<LLDP>
  <NbProtocolVLANs>
    <NbProtocolVLAN>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <VLANID></VLANID>
      <Support></Support>
      <Enable></Enable>
    </NbProtocolVLAN>
  </NbProtocolVLANs>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbProtocolVLANs      |
| Table type   | Multi-instance table |
| Row name     | NbProtocolVLAN       |
| Restrictions | None                 |

## Columns

| Column name | Column description | Column type | Data type and restrictions                                                                                                                                                          |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark    | Time mark.         | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| IfIndex     | Interface index.   | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| AgentID     | LLDP agent ID.     | Index       | Enumeration: <ul style="list-style-type: none"><li>• <b>1</b>—Nearest bridge agent.</li><li>• <b>2</b>—Nearest non-TPMR agent.</li><li>• <b>3</b>—Nearest customer agent.</li></ul> |

| Column name   | Column description                  | Column type | Data type and restrictions                                                                                             |
|---------------|-------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|
| NeighborIndex | Neighbor index.                     | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                  |
| VLANID        | Protocol VLAN ID.                   | Index       | Unsigned integer.<br>Value range: 0 to 4094.                                                                           |
| Support       | Whether protocol VLAN is supported. | N/A         | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Supported.</li> <li><b>false</b>—Not supported.</li> </ul> |
| Enable        | Whether protocol VLAN is enabled.   | N/A         | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Enabled.</li> <li><b>false</b>—Disabled.</li> </ul>        |

## LLDP/NbVLANNames

This table contains information about the VLAN names of LLDP neighbors.

### XML structure

```

<LLDP>
  <NbVLANNames>
    <NbVLANName>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <VLANID></VLANID>
      <VLANName></VLANName>
    </NbVLANName>
  </NbVLANNames>
</LLDP>

```

### Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbVLANNames          |
| Table type   | Multi-instance table |
| Row name     | NbVLANName           |
| Restrictions | None                 |

## Columns

| Column name   | Column description | Column type | Data type and restrictions                                                                                                                                                          |
|---------------|--------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark      | Time mark          | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| IfIndex       | Interface index    | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| AgentID       | LLDP agent ID      | Index       | Enumeration: <ul style="list-style-type: none"><li>• <b>1</b>—Nearest bridge agent.</li><li>• <b>2</b>—Nearest non-TPMR agent.</li><li>• <b>3</b>—Nearest customer agent.</li></ul> |
| NeighborIndex | Neighbor index     | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| VLANID        | VLAN ID            | Index       | Unsigned integer.<br>Value range: 1 to 4094.                                                                                                                                        |
| VLANName      | VLAN name          | N/A         | String.<br>Length: 0 to 32 characters.                                                                                                                                              |

## LLDP/NbDot3Infos

This table contains the IEEE 802.3 organizationally specific information about LLDP neighbors.

## XML structure

```
<LLDP>
  <NbDot3Infos>
    <Dot3Info>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <MACPHY>
        <AutoNegSupport></AutoNegSupport>
        <AutoNegEnable></AutoNegEnable>
        <MAU></MAU>
      </MACPHY>
      <MaxFrameSize></MaxFrameSize>
      <Power>
        <PortClass></PortClass>
        <Support></Support>
        <Enable></Enable>
        <Pairs></Pairs>
        <PairsCtrlAbility></PairsCtrlAbility>
```

```

    <Classification></Classification>
  </Power>
</Dot3Info>
</NbDot3Infos>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbDot3Infos          |
| Table type   | Multi-instance table |
| Row name     | Dot3Info             |
| Restrictions | None                 |

## Columns

| Column name    | Column description                        | Column type    | Data type and restrictions                                                                                                     |
|----------------|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------|
| TimeMark       | Time mark.                                | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                          |
| IfIndex        | Interface index.                          | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                          |
| NeighborIndex  | Neighbor index.                           | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                          |
| MACPHY         | MAC/PHY configuration/status information. | Data structure | Members include: <ul style="list-style-type: none"> <li>• AutoNegSupport.</li> <li>• AutoNegEnable.</li> <li>• MAU.</li> </ul> |
| AutoNegSupport | Whether autonegotiation is supported.     | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>     |
| AutoNegEnable  | Whether autonegotiation is enabled.       | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul>            |
| MAU            | Operational media attachment unit type.   | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                          |
| MaxFrameSize   | Maximum frame size.                       | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                          |

| Column name      | Column description                            | Column type    | Data type and restrictions                                                                                                                                                                        |
|------------------|-----------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power            | Power over MDI information.                   | Data structure | Members include: <ul style="list-style-type: none"> <li>• PortClass.</li> <li>• Support.</li> <li>• Enable.</li> <li>• Pairs.</li> <li>• PairsCtrlAbility.</li> <li>• Classification.</li> </ul>  |
| PortClass        | Port class.                                   | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—PD.</li> <li>• <b>1</b>—PSE.</li> </ul>                                                                                            |
| Support          | Whether PSE MDI power is supported.           | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                        |
| Enable           | Whether PSE MDI power is enabled.             | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul>                                                                               |
| Pairs            | Power supply mode.                            | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Over signal wires.</li> <li>• <b>2</b>—Over spare wires.</li> </ul>                                                                |
| PairsCtrlAbility | Whether the PSE-PD pair control is available. | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Yes.</li> <li>• <b>false</b>—No.</li> </ul>                                                                                         |
| Classification   | Power class.                                  | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Class0.</li> <li>• <b>2</b>—Class1.</li> <li>• <b>3</b>—Class2.</li> <li>• <b>4</b>—Class3.</li> <li>• <b>5</b>—Class4.</li> </ul> |

## LLDP/NbMEDInfos

This table contains the MED organizationally specific information about LLDP neighbors.

### XML structure

```

<LLDP>
  <NbMEDInfos>
    <MEDInfo>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <DeviceClass></DeviceClass>
    </MEDInfo>
  </NbMEDInfos>
</LLDP>

```

```

<Inventory>
  <HardwareRev></HardwareRev>
  <FirmwareRev></FirmwareRev>
  <SoftwareRev></SoftwareRev>
  <SerialNum></SerialNum>
  <Manufacturer></Manufacturer>
  <ModelName></ModelName>
  <AssetID></AssetID>
</Inventory>
<ExtPower>
  <Source></Source>
  <Priority></Priority>
  <Value></Value>
</ExtPower>
</MEDInfo>
</NbMEDInfos>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbMEDInfos           |
| Table type   | Multi-instance table |
| Row name     | MEDInfo              |
| Restrictions | None                 |

## Columns

| Column name   | Column description | Column type | Data type and restrictions                                                                                                                                                               |
|---------------|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark      | Time mark          | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                    |
| IfIndex       | Interface index    | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                    |
| NeighborIndex | Neighbor index     | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                    |
| DeviceClass   | MED device class   | N/A         | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Class I.</li> <li>• <b>2</b>—Class II.</li> <li>• <b>3</b>—Class III.</li> <li>• <b>4</b>—Connectivity device.</li> </ul> |



| Column name  | Column description                 | Column type    | Data type and restrictions                                                                                                                                                                                                 |
|--------------|------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inventory    | Device inventory information       | Data structure | Members include: <ul style="list-style-type: none"> <li>• HardwareRev.</li> <li>• FirmwareRev.</li> <li>• SoftwareRev.</li> <li>• SerialNum.</li> <li>• Manufacturer.</li> <li>• ModelName.</li> <li>• AssetID.</li> </ul> |
| HardwareRev  | Hardware revision                  | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                    |
| FirmwareRev  | Firmware revision                  | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                    |
| SoftwareRev  | Software revision                  | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                    |
| SerialNum    | Serial number                      | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                    |
| Manufacturer | Manufacturer name                  | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                    |
| ModelName    | Model name                         | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                    |
| AssetID      | Asset ID                           | N/A            | String.<br>Length: 0 to 255 characters.                                                                                                                                                                                    |
| ExtPower     | Extended power via MDI information | Data structure | Members include: <ul style="list-style-type: none"> <li>• Source.</li> <li>• Priority.</li> <li>• Value.</li> </ul>                                                                                                        |
| Source       | PSE power source                   | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—Unknown.</li> <li>• <b>1</b>—Primary.</li> <li>• <b>2</b>—Backup.</li> </ul>                                                                                |
| Priority     | Power priority                     | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Critical.</li> <li>• <b>2</b>—High.</li> <li>• <b>3</b>—Low.</li> </ul>                                                                                     |
| Value        | Power value                        | N/A            | Unsigned integer.<br>Length: 32 bits.<br>Unit: milliwatt.                                                                                                                                                                  |

# LLDP/NbELINumbers

This table contains information about the MED emergency location identification numbers of LLDP neighbors.

## XML structure

```
<LLDP>
  <NbELINumbers>
    <ELIN>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <ELINumber></ELINumber>
    </ELIN>
  </NbELINumbers>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbELINumbers         |
| Table type   | Multi-instance table |
| Row name     | ELIN                 |
| Restrictions | None                 |

## Columns

| Column name   | Column description                       | Column type | Data type and restrictions              |
|---------------|------------------------------------------|-------------|-----------------------------------------|
| TimeMark      | Time mark                                | Index       | Unsigned integer.<br>Length: 32 bits.   |
| IfIndex       | Interface index                          | Index       | Unsigned integer.<br>Length: 32 bits.   |
| NeighborIndex | Neighbor index                           | Index       | Unsigned integer.<br>Length: 32 bits.   |
| ElinNumber    | Emergency location identification number | N/A         | String.<br>Length: 10 to 25 characters. |

# LLDP/NbCivicAddresses

This table contains information about the MED civic addresses of LLDP neighbors.

## XML structure

```
<LLDP>
  <NbCivicAddresses>
    <CivicAddress>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <DeviceType></DeviceType>
      <CountryCode></CountryCode>
      <CA>  <!-- Repeatable -->
        <Type></Type>
        <Value></Value>
      </CA>
    </CivicAddress>
  </NbCivicAddresses>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbCivicAddresses     |
| Table type   | Multi-instance table |
| Row name     | CivicAddress         |
| Restrictions | None                 |

## Columns

| Column name   | Column description | Column type | Data type and restrictions            |
|---------------|--------------------|-------------|---------------------------------------|
| TimeMark      | Time mark          | Index       | Unsigned integer.<br>Length: 32 bits. |
| IfIndex       | Interface index    | Index       | Unsigned integer.<br>Length: 32 bits. |
| NeighborIndex | Neighbor index     | Index       | Unsigned integer.<br>Length: 32 bits. |

| Column name | Column description        | Column type    | Data type and restrictions                                                                                                                                   |
|-------------|---------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DeviceType  | Device type               | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—DHCP Server.</li> <li>• <b>1</b>—Network device.</li> <li>• <b>2</b>—MED endpoint.</li> </ul> |
| CountryCode | Country code              | N/A            | String.<br>Length: 2 characters.                                                                                                                             |
| CA          | Civic address information | Data structure | Members include: <ul style="list-style-type: none"> <li>• Type.</li> <li>• Value.</li> </ul>                                                                 |
| Type        | Civic address type        | N/A            | Unsigned integer.<br>Value range: 0 to 255.                                                                                                                  |
| Value       | Civic address             | N/A            | String.<br>Length: 0 to 250 characters.                                                                                                                      |

## LLDP/NbNetworkPolicies

This table contains information about the MED network policies of LLDP neighbors.

### XML structure

```

<LLDP>
  <NbNetworkPolicies>
    <NetworkPolicy>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <Application> <!-- Repeatable -->
        <AppType></AppType>
        <UnknownFlag></UnknownFlag>
        <TagFlag></TagFlag>
        <VLANID></VLANID>
        <L2priority></L2priority>
        <DSCP></DSCP>
      </Application>
    </NetworkPolicy>
  </NbNetworkPolicies>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbNetworkPolicies    |
| Table type   | Multi-instance table |
| Row name     | NetworkPolicy        |
| Restrictions | None                 |

## Columns

| Column name   | Column description                  | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                                                                      |
|---------------|-------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark      | Time mark.                          | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                                                                           |
| IfIndex       | Interface index.                    | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                                                                           |
| NeighborIndex | Neighbor index.                     | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                                                                                           |
| Application   | Application information.            | Data structure | Members include: <ul style="list-style-type: none"><li>• AppType.</li><li>• UnknownFlag.</li><li>• TagFlag.</li><li>• VLANID.</li><li>• L2priority</li><li>• Dscp.</li></ul>                                                                                                                                                                    |
| AppType       | Application type.                   | N/A            | Enumeration: <ul style="list-style-type: none"><li>• <b>1</b>—Voice.</li><li>• <b>2</b>—Voice Signaling.</li><li>• <b>3</b>—Guest Voice.</li><li>• <b>4</b>—Guest Voice Signaling.</li><li>• <b>5</b>—Softphone Voice.</li><li>• <b>6</b>—Video Conferencing.</li><li>• <b>7</b>—Streaming Video.</li><li>• <b>8</b>—Video Signaling.</li></ul> |
| UnknownFlag   | Whether the application is unknown. | N/A            | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Yes.</li><li>• <b>false</b>—No.</li></ul>                                                                                                                                                                                                                                          |
| TagFlag       | Whether the VLAN tag is used.       | N/A            | Boolean: <ul style="list-style-type: none"><li>• <b>true</b>—Yes.</li><li>• <b>false</b>—No.</li></ul>                                                                                                                                                                                                                                          |

| Column name | Column description      | Column type | Data type and restrictions                   |
|-------------|-------------------------|-------------|----------------------------------------------|
| VLANID      | Network policy VLAN ID. | N/A         | Unsigned integer.<br>Value range: 0 to 4095. |
| L2priority  | Layer 2 priority        | N/A         | Unsigned integer.<br>Value range: 0 to 7.    |
| DSCP        | DSCP value.             | N/A         | Unsigned integer.<br>Value range: 0 to 63.   |

## LLDP/NbUnknownBasicTLVs

This table contains information about the unknown basic TLVs of LLDP neighbors.

### XML structure

```
<LLDP>
  <NbUnknownBasicTLVs>
    <UnknownBasicTLV>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <TLV> <!-- Repeatable -->
        <Type></Type>
        <Value></Value>
      </TLV>
    </UnknownBasicTLV>
  </NbUnknownBasicTLVs>
</LLDP>
```

### Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbUnknownBasicTLVs   |
| Table type   | Multi-instance table |
| Row name     | UnknownBasicTLV      |
| Restrictions | None                 |

## Columns

| Column name   | Column description | Column type    | Data type and restrictions                                                                                                                                                              |
|---------------|--------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark      | Time mark          | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |
| IfIndex       | Interface index    | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |
| AgentID       | LLDP agent ID      | Index          | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Nearest bridge agent.</li> <li>• <b>2</b>—Nearest non-TPMR agent.</li> <li>• <b>3</b>—Nearest customer agent.</li> </ul> |
| NeighborIndex | Neighbor index     | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                   |
| TLV           | TLV information    | Data structure | Member Include: <ul style="list-style-type: none"> <li>• Type</li> <li>• Value</li> </ul>                                                                                               |
| Type          | TLV type           | N/A            | Unsigned integer.<br>Length: 8 bits.<br>Value range: 0 to 126.                                                                                                                          |
| Value         | TLV value          | N/A            | Base64 Binary.<br>Length: 0 to 511 octets.                                                                                                                                              |

## LLDP/NbUnknownOrgTLVs

This table contains information about the unknown organizationally specific TLVs of LLDP neighbors.

## XML structure

```

<LLDP>
  <NbUnknownOrgTLVs>
    <UnknownOrgTLV>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <TLV>    <!-- Repeatable -->
        <OUI></OUI>
        <SubType></SubType>
        <Value></Value>
      </TLV>
    </UnknownOrgTLV>
  </NbUnknownOrgTLVs>

```

</LLDP>

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | NbUnknownOrgTLVs     |
| Table type   | Multi-instance table |
| Row name     | UnknownOrgTLV        |
| Restrictions | None                 |

## Columns

| Column name   | Column description                 | Column type    | Data type and restrictions                                                                                                                                                          |
|---------------|------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TimeMark      | Time mark                          | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| IfIndex       | Interface index                    | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| AgentID       | LLDP agent ID                      | Index          | Enumeration: <ul style="list-style-type: none"><li>• <b>1</b>—Nearest bridge agent.</li><li>• <b>2</b>—Nearest non-TPMR agent.</li><li>• <b>3</b>—Nearest customer agent.</li></ul> |
| NeighborIndex | Neighbor index                     | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| TLV           | TLV information                    | Data structure | Member Include: <ul style="list-style-type: none"><li>• OUI</li><li>• SubType</li><li>• Value</li></ul>                                                                             |
| OUI           | Organizationally unique identifier | N/A            | Base64 Binary.                                                                                                                                                                      |
| SubType       | TLV subtype                        | N/A            | Unsigned integer.<br>Length: 8 bits.<br>Value range: 0 to 255.                                                                                                                      |
| Value         | TLV value                          | N/A            | Base64 Binary.<br>Length: 0 to 511 octets.                                                                                                                                          |

## LLDP/LocalBasicInfos

This table contains basic information about local interfaces.



## XML structure

```
<LLDP>
  <LocalBasicInfos>
    <BasicInfo>
      <IfIndex></IfIndex>
      <PortID>
        <SubType></SubType>
        <ID></ID>
      </PortID>
      <PortDesc></PortDesc>
    </BasicInfo>
  </LocalBasicInfos>
</LLDP>
```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | LocalBasicInfos      |
| Table type   | Multi-instance table |
| Row name     | BasicInfo            |
| Restrictions | None                 |

## Columns

| Column name | Column description          | Column type    | Data type and restrictions                                                                                                                                                                                                                                                        |
|-------------|-----------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IfIndex     | Interface index             | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                                                                                                             |
| PortID      | Port identifier information | Data structure | Members include: <ul style="list-style-type: none"><li>• SubType.</li><li>• ID.</li></ul>                                                                                                                                                                                         |
| SubType     | Subtype of the port ID      | N/A            | Enumeration: <ul style="list-style-type: none"><li>• 0—Reserved.</li><li>• 1—Interface alias.</li><li>• 2—Port component.</li><li>• 3—MAC address.</li><li>• 4—Network address.</li><li>• 5—Interface name.</li><li>• 6—Agent circuit ID.</li><li>• 7—Locally assigned.</li></ul> |

| Column name | Column description | Column type | Data type and restrictions                                                                       |
|-------------|--------------------|-------------|--------------------------------------------------------------------------------------------------|
| ID          | Port ID            | N/A         | Base64 Binary.<br>Length: 1 to 255 octets.<br>The format of data depends on the port ID subtype. |
| PortDesc    | Port description   | N/A         | String.<br>Length: 0 to 255 characters.                                                          |

## LLDP/LocalManageAddresses

This table contains information about the management addresses of local interfaces.

### XML structure

```
<LLDP>
  <LocalManageAddresses>
    <ManageAddress>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <SubType></SubType>
      <Address></Address>
      <InterfaceType></InterfaceType>
      <InterfaceID></InterfaceID>
    </ManageAddress>
  </LocalManageAddresses>
</LLDP>
```

### Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | LocalManageAddresses |
| Table type   | Multi-instance table |
| Row name     | ManageAddress        |
| Restrictions | None                 |

## Columns

| Column name   | Column description                | Column type | Data type and restrictions                                                                                                                                   |
|---------------|-----------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IfIndex       | Interface index                   | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |
| AgentID       | LLDP agent ID                     | Index       | Enumeration: <ul style="list-style-type: none"> <li>1—Nearest bridge agent.</li> <li>2—Nearest non-TPMR agent.</li> <li>3—Nearest customer agent.</li> </ul> |
| SubType       | Subtype of the management address | Index       | Enumeration: <ul style="list-style-type: none"> <li>0—Other.</li> <li>1—IPv4.</li> <li>2—IPv6.</li> <li>6—All802.</li> </ul>                                 |
| Address       | Management address                | Index       | Base64 Binary.<br>Length: 1 to 31 octets.<br>The format of data depends on the management address subtype.                                                   |
| InterfaceType | Interface type                    | N/A         | Enumeration: <ul style="list-style-type: none"> <li>1—Unknown.</li> <li>2—IfIndex.</li> <li>3—PortIndex.</li> </ul>                                          |
| InterfaceID   | Interface ID                      | N/A         | Unsigned integer.<br>Length: 32 bits.                                                                                                                        |

## LLDP/LocalDot1Infos

This table contains the IEEE 802.1 organizationally specific information about local interfaces.

## XML structure

```

<LLDP>
  <LocalDot1Infos>
    <Dot1Info>
      <IfIndex></IfIndex>
      <PVID></PVID>
      <PortProtocolVLAN>
        <VLANID></VLANID>
        <Support></Support>
        <Enable></Enable>
      </PortProtocolVLAN>
      <VLANName>

```

```

    <VLANID></VLANID>
    <Name></Name>
  </VLANName>
  <ManageVLAN></ManageVLAN>
  <ProtocolID></ProtocolID>
  <LinkAgg>
    <Support></Support>
    <Enable></Enable>
    <PortIndex></PortIndex>
  </LinkAgg>
  <VIDUsage></VIDUsage>
</Dot1Info>
</LocalDot1Infos>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | LocalDot1Infos       |
| Table type   | Multi-instance table |
| Row name     | Dot1Info             |
| Restrictions | None                 |

## Columns

| Column name      | Column description                  | Column type    | Data type and restrictions                                                                                             |
|------------------|-------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------|
| IfIndex          | Interface index.                    | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                  |
| PVID             | Neighbor interface PVID.            | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                           |
| PortProtocolVLAN | Protocol VLAN information.          | Data structure | Members include: <ul style="list-style-type: none"> <li>VLANID.</li> <li>Support.</li> <li>Enable.</li> </ul>          |
| VLANID           | Protocol VLAN ID.                   | N/A            | Unsigned integer.<br>Value range: 0 to 4094.                                                                           |
| Support          | Whether protocol VLAN is supported. | N/A            | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Supported.</li> <li><b>false</b>—Not supported.</li> </ul> |

| Column name | Column description                     | Column type    | Data type and restrictions                                                                                             |
|-------------|----------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------|
| Enable      | Whether protocol VLAN is enabled.      | N/A            | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Enabled.</li> <li><b>false</b>—Disabled.</li> </ul>        |
| VLANName    | VLAN name information.                 | Data structure | Members include: <ul style="list-style-type: none"> <li>VLANID.</li> <li>Name.</li> </ul>                              |
| VLANID      | VLAN ID.                               | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                           |
| Name        | VLAN name.                             | N/A            | String.<br>Length: 0 to 32 characters.                                                                                 |
| ManageVLAN  | Management VLAN ID.                    | N/A            | Unsigned integer.<br>Value range: 0 to 4094.                                                                           |
| ProtocolID  | Protocol ID.                           | N/A            | Base64 Binary.<br>Length: 1 to 255 octets.<br>The format of data depends on the protocol.                              |
| LinkAgg     | Link aggregation information.          | Data structure | Members include: <ul style="list-style-type: none"> <li>Support.</li> <li>Enable.</li> <li>PortIndex.</li> </ul>       |
| Support     | Whether link aggregation is supported. | N/A            | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Supported.</li> <li><b>false</b>—Not supported.</li> </ul> |
| Enable      | Whether link aggregation is enabled.   | N/A            | Boolean: <ul style="list-style-type: none"> <li><b>true</b>—Enabled.</li> <li><b>false</b>—Disabled.</li> </ul>        |
| PortIndex   | Member port ID.                        | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                  |
| VIDUsage    | VID usage digest.                      | N/A            | Base64 Binary.<br>Length: 4 octets.                                                                                    |

## LLDP/LocalDot3Infos

This table contains the IEEE 802.3 organizationally specific information about local interfaces.

### XML structure

```

<LLDP>
  <LocalDot3Infos>
    <Dot3Info>
      <IfIndex></IfIndex>

```

```

    <MACPHY>
      <AutoNegSupport></AutoNegSupport>
      <AutoNegEnable></AutoNegEnable>
      <MAU></MAU>
    </MACPHY>
  <MaxFrameSize></MaxFrameSize>
  <Power>
    <PortClass></PortClass>
    <Support></Support>
    <Enable></Enable>
    <Pairs></Pairs>
    <PairsCtrlAbility></PairsCtrlAbility>
    <Classification></Classification>
  </Power>
</Dot3Info>
</LocalDot3Infos>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | LocalDot3Infos       |
| Table type   | Multi-instance table |
| Row name     | Dot3Info             |
| Restrictions | None                 |

## Columns

| Column name    | Column description                        | Column type    | Data type and restrictions                                                                                                     |
|----------------|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------|
| IfIndex        | Interface index.                          | Index          | Unsigned integer.<br>Length: 32 bits.                                                                                          |
| MACPHY         | MAC/PHY configuration/status information. | Data structure | Members include: <ul style="list-style-type: none"> <li>• AutoNegSupport.</li> <li>• AutoNegEnable.</li> <li>• MAU.</li> </ul> |
| AutoNegSupport | Whether autonegotiation is supported.     | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>     |
| AutoNegEnable  | Whether autonegotiation is enabled.       | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul>            |

| Column name      | Column description                            | Column type    | Data type and restrictions                                                                                                                                                                        |
|------------------|-----------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAU              | Operational media attachment unit type.       | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                             |
| MaxFrameSize     | Maximum frame size.                           | N/A            | Unsigned integer.<br>Length: 32 bits.                                                                                                                                                             |
| Power            | Power over MDI information.                   | Data structure | Members include: <ul style="list-style-type: none"> <li>• PortClass.</li> <li>• Support.</li> <li>• Enable.</li> <li>• Pairs.</li> <li>• PairsCtrlAbility.</li> <li>• Classification.</li> </ul>  |
| PortClass        | Port class.                                   | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—PD.</li> <li>• <b>1</b>—PSE.</li> </ul>                                                                                            |
| Support          | Whether PSE MDI power is supported.           | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Supported.</li> <li>• <b>false</b>—Not supported.</li> </ul>                                                                        |
| Enable           | Whether PSE MDI power is enabled.             | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Enabled.</li> <li>• <b>false</b>—Disabled.</li> </ul>                                                                               |
| Pairs            | Power supply mode.                            | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Over signal wires.</li> <li>• <b>2</b>—Over spare wires.</li> </ul>                                                                |
| PairsCtrlAbility | Whether the PSE-PD pair control is available. | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Yes.</li> <li>• <b>false</b>—No.</li> </ul>                                                                                         |
| Classification   | Power class.                                  | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Class0.</li> <li>• <b>2</b>—Class1.</li> <li>• <b>3</b>—Class2.</li> <li>• <b>4</b>—Class3.</li> <li>• <b>5</b>—Class4.</li> </ul> |

## LLDP/LocalMEDInfos

This table contains the MED organizationally specific information about local interfaces.

### XML structure

```
<LLDP>
  <LocalMEDInfos>
```

```

<MEDInfo>
  <IfIndex></IfIndex>
  <NetworkPolicy> <!-- Repeatable -->
    <AppType></AppType>
    <UnknownFlag></UnknownFlag>
    <TagFlag></TagFlag>
    <VLANID></VLANID>
    <L2priority></L2priority>
    <DSCP></DSCP>
  </NetworkPolicy>
  <ExtPower>
    <Source></Source>
    <Priority></Priority>
    <Value></Value>
  </ExtPower>
</MEDInfo>
</LocalMEDInfos>
</LLDP>

```

## Table description

| Item         | Description          |
|--------------|----------------------|
| Feature name | LLDP                 |
| Table name   | LocalMEDInfos        |
| Table type   | Multi-instance table |
| Row name     | MEDInfo              |
| Restrictions | None                 |

## Columns

| Column name   | Column description          | Column type | Data type and restrictions                                                                                                                                                          |
|---------------|-----------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IfIndex       | Interface index.            | Index       | Unsigned integer.<br>Length: 32 bits.                                                                                                                                               |
| NetworkPolicy | Network policy information. | N/A         | Members include: <ul style="list-style-type: none"> <li>• AppType.</li> <li>• UnknownFlag.</li> <li>• TagFlag.</li> <li>• VLANID.</li> <li>• L2priority</li> <li>• Dscp.</li> </ul> |



| Column name | Column description                  | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AppType     | Application type.                   | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Voice.</li> <li>• <b>2</b>—Voice Signaling.</li> <li>• <b>3</b>—Guest Voice.</li> <li>• <b>4</b>—Guest Voice Signaling.</li> <li>• <b>5</b>—Softphone Voice.</li> <li>• <b>6</b>—Video Conferencing.</li> <li>• <b>7</b>—Streaming Video.</li> <li>• <b>8</b>—Video Signaling.</li> </ul> |
| UnknownFlag | Whether the application is unknown. | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Yes.</li> <li>• <b>false</b>—No.</li> </ul>                                                                                                                                                                                                                                                |
| TagFlag     | Whether the VLAN tag is used.       | N/A            | Boolean: <ul style="list-style-type: none"> <li>• <b>true</b>—Yes.</li> <li>• <b>false</b>—No.</li> </ul>                                                                                                                                                                                                                                                |
| VLANID      | Network policy VLAN ID.             | N/A            | Unsigned integer.<br>Value range: 1 to 4094.                                                                                                                                                                                                                                                                                                             |
| L2priority  | Layer 2 priority                    | N/A            | Unsigned integer.<br>Value range: 0 to 7.                                                                                                                                                                                                                                                                                                                |
| Dscp        | DSCP value.                         | N/A            | Unsigned integer.<br>Value range: 0 to 63.                                                                                                                                                                                                                                                                                                               |
| ExtPower    | Extended power via MDI information. | Data structure | Members include: <ul style="list-style-type: none"> <li>• Source.</li> <li>• Priority.</li> <li>• Value.</li> </ul>                                                                                                                                                                                                                                      |
| Source      | PSE power source.                   | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>0</b>—Unknown.</li> <li>• <b>1</b>—Primary.</li> <li>• <b>2</b>—Backup.</li> </ul>                                                                                                                                                                                                              |
| Priority    | Power priority.                     | N/A            | Enumeration: <ul style="list-style-type: none"> <li>• <b>1</b>—Critical.</li> <li>• <b>2</b>—High.</li> <li>• <b>3</b>—Low.</li> </ul>                                                                                                                                                                                                                   |
| Value       | Power value.                        | N/A            | Unsigned integer.<br>Length: 32 bits.<br>Unit: milliwatt.                                                                                                                                                                                                                                                                                                |