

OCEANWORKS CABLED OCEAN OBSERVATORY

NETWORK NODE ASSEMBLY

PART NO: 100-A00000



Trawl Resistant Node Ready for Deployment

The Network Node Assembly is the main connection between the shore station and the Scientific Instrument Interface Modules (SIIMs). The Node connects to a fibre optic telecommunications which originates in the shore station carrying 1 Gigabit Ethernet and 360 Volts, 8 Amp DC power. Inside the node the Gigabit Ethernet link is switched amongst the internal monitoring and control devices and the SIIM ports. Each port can be individually disabled and isolated from the network in the case of instrument or cabling failure. The ports can be accessed by connection of ROV mateable connectors. Pressure vessels are available in 316SS or 2205 Duplex Stainless in depth ratings up to 1000 meters.

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NETWORK NODE ASSEMBLY

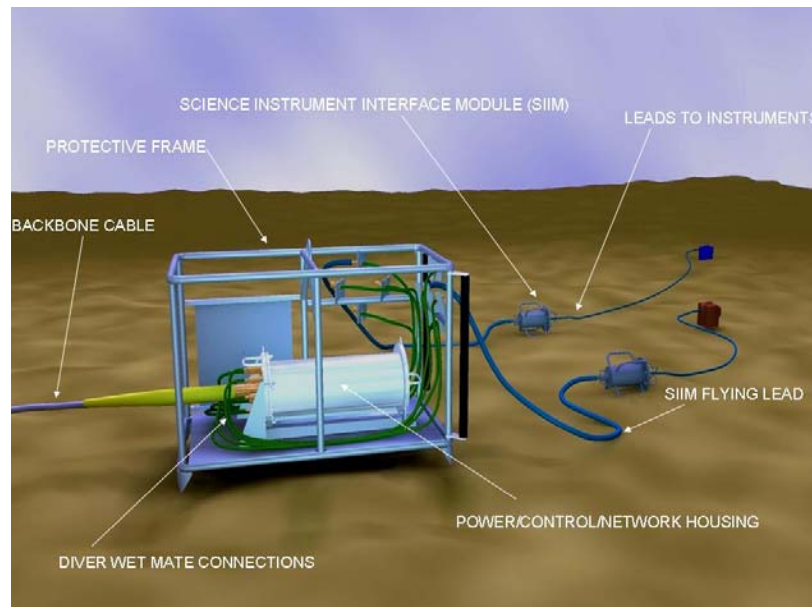
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Features:

- 3 kW total power
- 1 GBit Ethernet Link
- Internal monitoring including:
 - All local power supplies
 - Internal pressure
 - Internal temperature
- 4 100 MBit Ethernet Interfaces, 360V 8 A Port
- All ports have power monitoring including:
 - Ground Fault Current Monitoring +/- 1 mA
 - Current Monitoring
 - Voltage Monitoring

Options:

- Additional Network Ports
- Optical Ports
- Electro/Optical disconnect from the main cable.
- Trawl Resistance



SHALLOW WATER DIVER MATE CONNECTOR CONCEPT

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