

Ethernet Physical Layer Modules

for VN5650/VN5240

Physical Layer Variants for the VN5650/VN5240

The support of different Ethernet physical layers and features requires several plug-in modules (VNmodule60) for the Automotive Ethernet Interfaces VN5650/VN5240. The VNmodule60 provides the physical connection of the interface with up to four ports. The VN5650/VN5240 has three slots for the VNmodule60, i. e. up to 12 ports can be used at the same time.

Prepared for the Future of Automotive Ethernet

- > Several physical layers on a single interface
- > Physical layers can be selected according to the network requirements
- > Physical layer modules can be easily exchanged and extended
- > New features and PHY technologies can be used on the VN5650/VN5240 via future module updates.

More Information: www.vector.com/vn5650-vn5240

	Standard	Connector	PHY	Features
VNmodule60 4AE1G BCM89883	IEEE 100/1000BASE-T1 (4 ports)	ix Industrial	Broadcom BCM89883	OPEN Alliance TC10 @ 100BASE-T1
VNmodule60 4AE1G 88Q2112	IEEE 100/1000BASE-T1 (4 ports)	ix Industrial	Marvell 88Q2112-A2	1000BASE-T1 Legacy Mode
VNmodule60 1AE10M LAN8670	IEEE 10BASE-T1S (1 port) IEEE 100/1000BASE-T1 (2 ports)	ix Industrial	Microchip LAN8670 (10BASE-T1S); Broadcom BCM89883 (100/1000BASE-T1)	OPEN Alliance TC10 @ 100BASE-T1
VNmodule60 4AE1G RTL9010AA	IEEE 100/1000BASE-T1 (4 ports)	ix Industrial	Realtek RTL9010AA	OPEN Alliance TC10 @ 100BASE-T1 OPEN Alliance TC10 @ 1000BASE-T1
VNmodule60 2AE10G BCM89890	IEEE 2.5/5/10GBASE-T1 (2 Ports)	Yamaichi Y-Circ	Broadcom BCM89890M Rev. B0	OPEN Alliance TC10* MACsec*
VNmodule60 4AE1G 88Q2221M	IEEE 100/1000BASE-T1 (4 ports)	ix Industrial	Marvell 88Q2221M Rev. B1	OPEN Alliance TC10 @ 100BASE-T1 OPEN Alliance TC10 @ 1000BASE-T1 MACsec IEEE 802.1AE
VNmodule60 2ETH10G BCM84891	IEEE 1/2.5/5/10GBASE-T (2 Ports Standard Ethernet)	RJ45	Broadcom BCM84891	-

* Available with future software update