Viking VS448 Series

10+2 Port Ethernet Switch

Data Controllers: Ethernet Switches

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Moog Protokraft Viking VS448 series Ethernet switches consist of 10x10/100/1000Base-T plus 2x10GBase-SR ports with auto negotiation and auto MDI / MDIX circuitry into a wall or floor mounted assembly. The external copper cable interface of the Viking VS448 series Ethernet switch is a D38999 / 25-35 series III connector with 10xIEEE-802.3U compliant Gigabit Ethernet ports incorporated with the power supply and ground connections. The external fibre optic cable interface of the VS448 series Ethernet switch is a D38999 / 13-04 series III connector with 2x10GBase-SR multimode fibre optic 10 Gigabit Ethernet ports.

Features

- 10x triple-speed (10/100/1000Base-T) copper Ethernet ports
- 2x10GBase-SR multimode fibre optic Ethernet ports
- Advanced L2+ management functionality available
- Copper cable link distances up to 100 m (EIA / TIA Cat-5E)
- Optical fibre link distances to 300 m (50 / 125 μm 2000 MHz*Km MMF)
- Operating temperature range from - 40ºC to + 70ºC
- Full duplex flow control per IEEE STD 802.3X and half duplex back pressure, symmetric and asymmetric
- Shock, vibration and immersion resistant per MIL-STD-810
- Olive drab cadmium plating meets stringent corrosion resistance specifications
- Aluminium connectors and housings are strong, durable and lightweight
- Auto sensing of half or full duplex operation
- 802.1Q VLAN switch with 32K MACs and 4K VLANs
- Push, pop, and translate ingress / egress
- Policing with storm control and MC / BC protection
- Hierarchical Quality of Service (QoS)
- Managed and unmanaged Ethernet switch (options are available)
- Qualified to DO160G and MIL-STD-461F

Applications

- High speed network communications in harsh environments
- Industrial and military vehicle networking
- The MIL-DTL-38999, series III shells provide sealed interfaces that are water-tight to MIL-STD-810 when mated
- The 10 Gbps multimode optical fibre interface supports applications where copper cable link distance, bandwidth, weight or bulk make the use of twisted pair, twinax or quadrax copper conductors are unacceptable
- Vehicle distributed network architecture
- Backbone switch

Note: Other wavelength, mounting and port count options are available.

Partnered Supplier

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