

PROTOKRAFT INTRODUCES FIVE PORT GIGABIT ETHERNET SWITCHES TO ENHANCE HARSH ENVIRONMENT NETWORK INTERCONNECTIONS

Protokraft introduces *Viking Series* 5 Port 10/100/1000Base-T Unmanaged Ethernet Switches to Improve Network Performance and Reliability in Harsh Environments

Kingsport, TN, January 18, 2011-- Protokraft today announced the availability of its *Viking Series* of 5 Port 10/100/1000Base-T unmanaged Ethernet switches to improve network performance and reliability in harsh environment applications.



Protokraft has introduced the *Viking Series* of 10/100/1000Base-T unmanaged Ethernet switches with external D38999/19-35 connector interfaces for military, aerospace, industrial or utility applications where significant levels of shock, vibration and extreme temperature ranges are experienced. The *Viking series* Ethernet switches integrate five 10/100/1000Base-T Ethernet switch ports into the shell of a standard D38999/19-35 connector. These components are ideal for use in harsh environments where small size, weight reduction and resistance to harsh environments are valued.

FEATURES

- 4+1 port unmanaged Ethernet switch for 5x10/100/1000Base-T switched interface ports
- Full duplex flow control and half duplex back pressure, symmetric and asymmetric
- Olive Drab Cadmium plating meets stringent corrosion resistance specifications
- Small size and weight (<8oz / 225g) for simple mounting and installation
- Unmanaged (Layer 2) Ethernet switch - no configuration required
- 5.0 or 12.0VDC power supply input - maximum < 5.0 Watts
- Shock, vibration and immersion resistant per Mil-Std-810
- Jumbo frame support in all speeds - 10/100/1000 Mbps

- Aluminum housings are strong, durable and light weight
- Cable link distances up to 100 Meters (EIA/TIA Cat-5E)
- Operating temperature range from -40°C to +85°C
- Auto sensing of half or full duplex operation

M83513-28E Micro D-Sub Interface

- 1x10/100/1000Base-T
- Autonegotiable
- Auto MDI / MDIX
- Power Supply

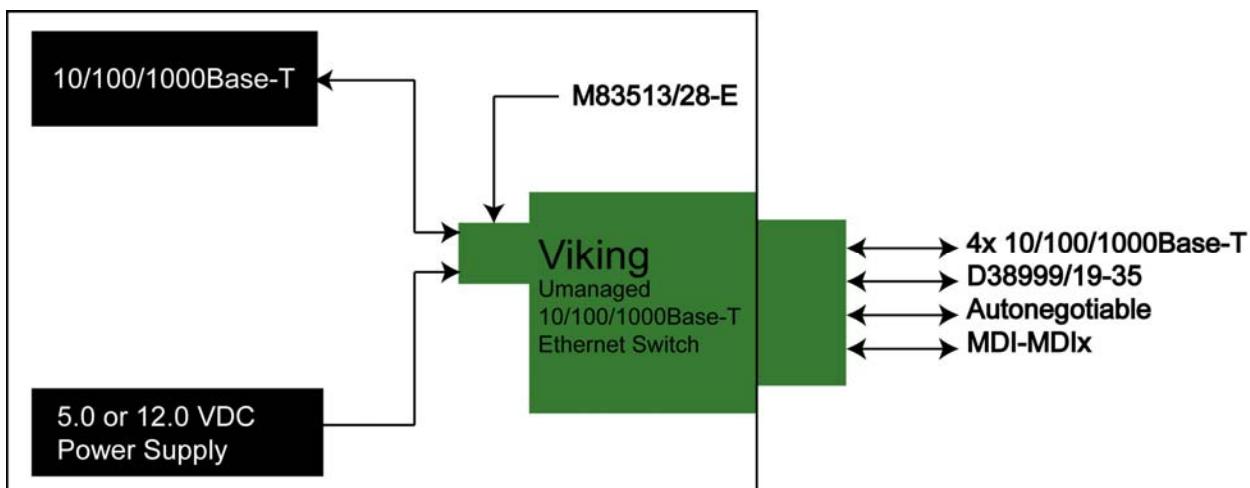


D38999/19-35 Ethernet Interface

- 4x10/100/1000Base-T
- Autonegotiable
- Auto MDI / MDIX

Protokraft Viking series unmanaged Ethernet switches consist of five 10/100/1000Base-T Ethernet switch ports integrated into a D38999/19-35 shell assembly.

The external Ethernet interface to the Viking series switches is a D38999/19-35 connector enabling interconnection to external sealed and vibration proof cable assemblies.



The internal electrical interface of the Viking series 5 port Ethernet switch is a 31 position MIL-DTL-83513 Micro D connector facilitating interface to internal switch, router or NIC cards.

Designed to operate in harsh environments, these five port 10/100/1000Base-T unmanaged Ethernet switches feature excellent thermal characteristics, high tolerance to vibration and shock and corrosion resistant housings for exceptional EMI/RFI performance. Standard case operating temperature range is -40°C to +85°C, with a standard storage temperature range of -55°C to +100°C. They operate from +5.0 or +12.0VDC power supplies.

Protokraft's *Viking* Series 10/100/1000Base-T unmanaged Ethernet switches are competitively priced compared to typical unmanaged Ethernet switches designed for similar harsh environments.

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About Protokraft

Protokraft designs and manufactures electronic components and subsystems for military and commercial avionics networking and communications applications. The company provides components and subsystems for short-reach (1-meter to 20-kilometer) harsh environment Ethernet-networking connections, including Ethernet network switches, enterprise and storage area networks (SAN's), and tactical communications networks. Protokraft is located in Kingsport, TN.

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