

# PROTOKRAFT INTRODUCES WILDCAT SERIES PANEL MOUNTED D38999 FIBER OPTIC ETHERNET SWITCHES

Protokraft's *WILDCAT Series Panel Mounted D38999 Fiber Optic Ethernet Switches Improve Network Performance and Reliability While Reducing Space and Weight Requirements*

Kingsport, TN, August 17, 2011-- Protokraft today announced the availability of its WILDCAT Series Ethernet Switches with D38999 fiber optic external connector interfaces to improve network performance and reliability in harsh environment applications. Protokraft WILDCAT series unmanaged Ethernet switches consist of 4x1000Base-SX or 100Base-FX ports integrated into a panel mounted MIL-DTL-38999 connector assembly. The WILDCAT series unmanaged Ethernet switch consists of two Ethernet interfaces for internal and external connections. The external interface of the WILDCAT series Ethernet switches is a D38999/23-21 fiber optic connector with 4x 1000Base-SX or 100Base-FX compliant fiber optic Ethernet ports. The internal 10/100/1000Base-T interface of the WILDCAT series Ethernet switch is a ribbon coax cable to \*Samtec® SMT connector assembly enabling interconnection to a motherboard, daughter card or backplane. Power to the unit is supplied through the Samtec connector.



Protokraft introduced the *WILDCAT Series* of Panel Mounted Ethernet Switches with D38999 fiber optic connector interfaces for military, aerospace, petrochemical, mining, industrial or utility applications where significant levels of shock, vibration and extreme temperature ranges are experienced. These components are designed for use in harsh environments where small size, weight reduction and resistance to harsh environments are valued.



WILDCAT series 10/100/1000Base-T Ethernet switches enable high speed network communications in harsh environments.

- Civil and military vehicle networking
- Plug and play operation - no configuration required
- Unmanaged Ethernet switch port multiplication

The MIL-DTL-38999 Series III shell provides a sealed interface that is water-tight to MIL-STD-810 when mated. WILDCAT series Ethernet switches are vibration isolated, environmentally hardened components designed for use in harsh environment applications.

- Front interface sealed against liquid and solid contaminants
- Shock and vibration resistant

## FEATURES

- 4x1000Base-SX or 4x100Base-FX switched optical Ethernet ports with D38999 interface
- 1x10/100/1000Base-T Ethernet internal connection through Samtec SMT connector
- Compliant with IEEE-802.3:2005 1000Base-SX, 100Base-FX and 10/100/1000Base-T
- Optical fiber link distances up to 2.0Kilometers
- Operating temperature range from -40°C to +85°C
- Shock, vibration and immersion resistant per MIL-STD-810
- OD-CD, NI or ZN-NI plating meets stringent corrosion resistance performance specifications
- Aluminum housings are strong, durable and light weight
- MIL-T-29504 compliant optical fiber connector interface
- MIL-DTL-38999 fiber optic insert per MIL-STD-1560
- Samtec EQCD Series electrical connector for SMT interface

Designed to operate in harsh environments, these unmanaged Ethernet switches feature excellent thermal characteristics, high tolerance to vibration and shock and corrosion resistant aluminum 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. All operate from 5.0VDC or 12.0VDC power supplies.

For additional technical specifications please contact:

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### About Protokraft, LLC

Protokraft designs and manufactures high-speed electronic components and subsystems for military and harsh environment networking equipment. The company provides electronic components and subsystems for harsh environment networking connections, including optical network switches, optical enterprise and storage area networks (SAN's), and tactical networks. Protokraft is located in Kingsport, TN.

\* Samtec® is a trademark of Samtec, Inc.

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