

## Wildcat Series

4+1 Port Ethernet Switch

**Data Controllers: Ethernet Switches**



Moog Protokraft Wildcat series panel mounted Ethernet switches consist of 4x1000Base-SX or 4x100Base-FX fibre optic switch ports plus 1x10/100/1000Base-T Ethernet switch ports integrated into a panel mounted MIL-DTL-38999 optical connector assembly.

The electrical interface to the Wildcat series panel mounted Ethernet switches is a Samtec® high density ribbon coax cable assembly enabling SMT interconnection to a customer's backplane, motherboard or daughtercard.

### Features

- 4x1000Base-SX or 100Base-FX switched optical Ethernet ports with D38999 interface
- Unmanaged Ethernet switch for 4x1000Base-SX or 100Base-FX switched interface ports
- 1x10/100/1000Base-T Ethernet internal connection through Samtec® SMT connector
- Compliant with IEEE-802.3:2005 100Base-FX, 1000Base-SX and 10/100/1000Base-T
- Optical fibre link distances up to 2 km (@ 100Base-FX)
- Operating temperature range from - 40°C to + 85°C
- Shock, vibration and immersion resistant per MIL-STD-810
- Olive drab cadmium, nickel and zinc-nickel plating meets stringent corrosion resistance performance specifications
- Aluminium housings are strong, durable and lightweight
- MIL-T-29504 compliant optical fibre connector interface
- MIL-DTL-38999 fibre optic insert per MIL-STD-1560
- Samtec® EQCD series electrical connector for SMT interface
- Samtec® SMT connector for simple attachment to motherboard or backplane
- Compact size and lightweight for simple mounting and installation
- MIL-DTL-38999 size 23-21 with 4x fibre optic switch port
- 5 or 12 VDC power supply input - maximum 5 W
- External interface is sealed against liquid and solid contaminants
- Shock and vibration resistant



### Applications

Wildcat series panel mounted Ethernet switches enable high speed network communications over long distances in harsh environments.

- Fast or Gigabit Ethernet computers and peripherals
- Telecom and datacom switch / router rack-to-rack links
- Storage or computation clusters
- UAV
- Turret applications

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

Samtec® is a registered trademark

December 2019

All specifications are subject to change without notice

The information contained herein is for reference only and does not constitute a warranty of performance

Partnered Supplier

**MOOG**  
PROTOKRAFT

[sales@eylex.com.au](mailto:sales@eylex.com.au)  
[www.eylex.com.au](http://www.eylex.com.au)