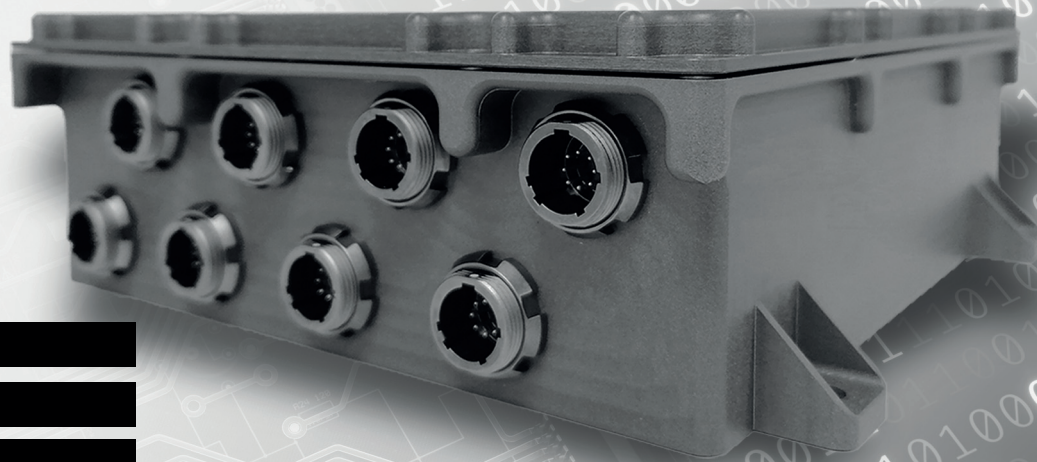


FISCHER UNMANAGED PoE+ SWITCH (120W)

DATASHEET



8 x GIGABIT PoE+ PORTS

120W POWER

RUGGED DESIGN

COMPACT & LIGHTWEIGHT

PLUG & PLAY SET-UP

The Fischer Unmanaged PoE+ Switch is an 8 port, full gigabit ethernet switch capable of providing up to 120W of power to active PoE (802.3af) and PoE+ (802.3at) devices. Each port can supply up to 30W making this a versatile option for extending your existing network capabilities and increasing the number of devices connected to your network while reducing cabling requirements and streamlining network system management.

The switch has plug-and-play capabilities facilitating quick installation and startup – without the need for any specialized tools or equipment - reducing the amount of time needed to set up and maximizing uptime.

The compact and lightweight design of the switch is ideal for applications where reduced size and weight of equipment is critical, saving space and maximising installation possibilities without compromising performance.

Designed to excel in even the most demanding environments the rugged, aluminium housing is waterproof and IP68 sealed (down to 2m/24hours) as well as complying with rigorous shock, vibration and EMC standards.

Fischer UltiMate™ and MiniMax™ Series connectors which provide ethernet and PoE+ connectivity (8 x Fischer UltiMate UR02W11 connectors) and power (1 x Fischer MiniMax MR11WL06 connector). The connectors have been selected for their rugged, compact design and ability to meet the demands of the switch and environments in which they may be used. The 8 x ethernet and PoE+ ports are IP68 rated and sealed even when unmated which offers additional reliability in the field as there no risk of water ingress should it

be necessary to unmate them in the field.

The store and forward switching mode is suitable for use on any network topology to reliably transmit large amounts of data.

Each switch can support up to 100m cable length.

APPLICATIONS

The Fischer Unmanaged PoE+ Switch (120W) is ideal for use in harsh environments and suitable for land or maritime applications where it may be subject to shock, vibration or limited submersion.

VEHICLE MOUNT

The rugged construction, simple mounting and plug & play set up allows the switch to offer flexibility and speed of installation and simplifies wiring harnesses in vehicle based applications, onboard cameras, or other, networked systems.

MARITIME

The switch offers a waterproof, robust, compact and lightweight solution for networking and power distribution which is ideal for use in marine applications whether onboard a vessel or other areas which may be subject to maritime conditions, such as ports and marinas.

KEY SPECIFICATIONS

PHYSICAL

- Housing Material: Aluminium 6082 , Hard anodised, Natural
- Overall Dimensions: 188 x 190 x 61mm (L x W x H)
- Weight: 1.105kg
- Mounting Holes: M6 (in 130 x 174mm hole pattern)

CONNECTORS*

- Ethernet: 8 x Fischer UR02W11 M008S BK1 E1AB
- Power: 1 x Fischer MR11WL06 0202 AN1 E1FS

ELECTRICAL

- 8 x 10/100/1000 BASE-T Ethernet Ports w/ PoE+
- Auto-crossing, Auto-Negotiation, Auto-Polarity
- Wide Input Power: 12 to 57 VDC, up to 7A
- Derating output from 12 to 18 V
- Power Consumption: 140.5W with 120W PoE output
- Power Indicator

ENVIRONMENTAL

- Sealing: IP68 (down to 2m/24h)
- Temperature: Operating -40°C to +70°C, Storage -40°C to +85°C
- Mean Time Between Failure (MTBF): 472.065h (Telecordia)

CERTIFICATIONS & STANDARDS

- CE approved
- RoHS Compliant



NETWORK STANDARDS

- IEC 60068-2-6 Vibration: 3.5 mm, 5-8.4 Hz, 10 Cycles, 1 octave/min, 1g, 8.4-150 Hz, 10 Cycles, 1 octave/min
- IEC 60068-2-27 Shock: 15g, 11ms duration, 18 shocks
- EN 61000-4-2 electrostatic discharge: 4kV contact discharge, 8kV air discharge
- EN 61000-4-3 electromagnetic field: 10 V/m (80 – 3000 MHz)
- EN 61000-4-4 fast transients: 2 kV power line, 4 kV data line
- EN 61000-4-5 surge voltage: 10V (150 kHz – 80 MHz)
- EN 61000-4-6 Conducted Immunity
- EN55032 Class A
- FCC 47CFR Part 15, Class A

* Devices connecting to the Fischer Unmanaged PoE+ Switch (120W) need compatible Fischer Connectors plugs, such as the UP01L11 F008S BK1 Z1ZB and MP11ZL06 0202 AN1 Z1MS - please contact us for full details of compatible plugs and to discuss Cable Assembly options.

For more information connect with your **Fischer Connectors Account Manager**

fischerconnectors.com

fischer[®]
CONNECTORS