# FISCHER UNMANAGED PoE+ SWITCH (240W)

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240W POWER 8 x GIGABIT PoE+ PORTS RUGGED, COMPACT DESIGN PLUG & PLAY CONNECTIVITY

The Fischer Unmanaged PoE+ Switch (240W) has been designed to offer an 8 port, full gigabit ethernet switch capable of providing up to 240W 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.

Plug & play capabilities facilitate 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 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/48hours) as well as complying with rigorous shock, vibration and EMC standards.

Fischer UltiMate<sup>™</sup> Series connectors provide ethernet and PoE+ connectivity. They have been selected for their rugged, compact design and ability to perform in event the harshest of environments. 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 (240W) is ideal for use in harsh environments and particularly suitable for land or maritime applications where it may be subject to shock, vibration or prolonged 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 and other networked systems throughout the vehicle.

#### MARITIME

The switch offers a robust, compact and lightweight solution for networking and power distribution. Its IP68/69 sealing and resistance to salt spray make it ideal for use in marine applications whether it is installed onboard a vessel or any other areas which may be exposed to similar maritime conditions, such as ports and marinas.

# **KEY SPECIFICATIONS**

#### PHYSICAL

- Housing Material: Aluminium 6082 T651 with Surtech 650 treatment
- Cover Material: aluminium 5251 with Surtech 650 treatment
- Finish: Military epoxy paint RAL 1001
- Handle and Pad Material: POM (Delrin) Black
- Screws: Inox A4
- Overall Dimensions: 280 x 150 x 99mm (L x W x H)
- Weight: 2.2kg

#### CONNECTORS

- Ethernet: 8 x Fischer UR01W11 F008P BK1 E1AB (130361) with Fischer UCR11P 1A1 A095 (116676) Cap
- Power: 1 x Fischer DBEE 103 A015-600E (131417) with Fischer 103.2273 (101748) Chrome-plated Cap
- Ground: 1 x DEE 102 A002-600G (113366) with Fischer 102.1947 (100770) Chrome-plated Cap

#### ELECTRICAL

- 8 x PoE+ 10/100/1000 Ethernet Ports
- 240W total PoE budget
- 30W max. consumption per port

#### ENVIRONMENTAL

- Sealing: IP68 (down to 2m/48h)
- Salt spray: 96H (5% salt solution, 35°C) IEC 60068-2-11
- Temperature: Operating -40°C to +85°C Storage -40°C to +105°C
- Temperature Alarm at +85°C (Visible Red LED)
- No performance degradation at +85°C

#### **CERTIFICATIONS & STANDARDS**

- CE approved
- RoHS Compliant

## **NETWORK STANDARDS**

- Supports 802.1 AVB/TSN Standards: 802.1AS Precise Timing Protocol, 802.1Qat Stream Reservation Protocol, 802.1Qav Egress Pacing and Shaping, 802.1Qbv Time Aware Shaping, 802.1Qbb Priority Based Flow Control
- Supports Synchronous Ethernet
- Supports Cut-through switch fabric for low latency applications
- Supports 802.3az Energy Efficient Ethernet
- Supports Jumbo Packet 10K Bytes
- QoS determined by port, IEEE802.1p tagged frames
- IPv4's Type of service (TOS) & Differentiated services (DS)
- IPv6's Traffic Class 802.1Q VID
- Destination MAC address, of Source MAC address
- Fully compliant with the applicable section of the IEEE802.3 and IEEE802.3u

For more information connect with your Fischer Connectors Account Manager







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