Industrial Ethernet Switch - FL SWITCH 1000T-2POE-GT-2SFP - 1026765

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PoE+ Ethernet switch conforms to IEEE 802.3at. Includes two 10/100/1000 Mbps PoE+ ports, two 100/1000 Mbps SFP ports, a total system budget of 60 W, and jumbo frames up to 10240 bytes.

Your advantages

- Auto negotiation
- Autocrossing
- Wide -40° ... +75°C temperature range
- Redundant power supply
- Automatic detection of IEEE 802.3at or 802.3af powered devices
- POE status LED per port

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	580.000 g
Country of origin	Taiwan

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	42.8 mm
Height	100 mm
Depth	101 mm

Ambient conditions

Degree of protection	IP30
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

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Technical data

Ambient conditions

Air pressure (operation)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)
Air pressure (storage/transport)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)

Interfaces

Interface 2	Fiber optic interface
No. of ports	2 (SFP ports)
Transmission physics	Depending on the SFP module
Transmission speed	100/1000 Mbps (full duplex)
Transmission length	up to 80 km (Depending on the fiber/SFP module used)
Interface 3	Ethernet (PoE)
No. of ports	2 (RJ45 ports)
Connection method	RJ45 socket
Transmission physics	Ethernet RJ45
Transmission speed	10/100/1000 Mbps
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE

Function

Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact
Additional functions	Autonegotiation
Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), Alarm (alarm contact), Link/ Activity and PoE per Ethernet port
Signal contact control voltage	48 V DC
Signal contact control current	0.5 A

Network expansion parameters

Maximum conductor length (twisted pair)	100 m

Supply voltage

Supply voltage	55 V DC (redundant)
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Supply voltage range	46 V DC ... 57 V DC (>52 V DC for PoE+ recommended)
Typical current consumption	80 mA (at U_S = 55 V DC)
Max. current consumption	1.2 A (Maximum, nominal load)
Inrush surge current	25.7 A (52 V DC for 1950 µs)

General

Mounting type	DIN rail
Type AX	Stand-alone

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Technical data

General

Net weight	569.3 g
Note	Designed to function with all 48 V DC QUINT and TRIO power supplies.

Connection data

Connection method	COMBICON plug-in screw terminal block
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Stripping length	7 mm

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Standards/regulations	EN 50121 for railway applications
Conformance	CE-compliant

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Classifications

eCl@ss

eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170106
eCl@ss 8.0	19170106
eCl@ss 9.0	19170106

ETIM

ETIM 5.0	EC000734
ETIM 6.0	EC000734

Accessories

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Accessories

Patch cable

Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10 m

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

Power over Ethernet devices

Ethernet module - FL PD 1001 T GT - 2891042



Factoryline Power over Ethernet splitter (PD) for separating power and data according to IEEE 802.3af and at, no configuration required, can be used with 10, 100, 1000 Mbps networks, 24 V DC output voltage

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Power supply

Power supply unit - QUINT4-PS/1AC/48DC/5 - 2904610



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 5 A

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Accessories

Power supply unit - QUINT4-PS/1AC/48DC/10 - 2904611



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 10 A

Power supply unit - TRIO-PS-2G/1AC/48DC/5 - 2903159



Primary-switched TRIO power supply for DIN rail mounting, input: 1-phase, output: 48 V DC / 5 A, dynamic boost, tool-free fast connection technology for solid and stranded conductors with ferrule

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Power supply unit - TRIO-PS-2G/1AC/48DC/10 - 2903160



Primary-switched TRIO POWER power supply with push-in connection for DIN rail mounting, input: single phase, output: 48 V DC/10 A

SFP module

Media module - FL SFP SX - 2891754



Gigabit SFP module for transmission up to 1 km with a wavelength of 850 nm.

Media module - FL SFP FX - 2891081



The small form-factor plug-in module provides a fiber optic interface with a data transmission speed of 100 Mbps with a wavelength of 1310 nm (long).

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Accessories

Surge protection for information technology

Surge protection device - DT-LAN-CAT.6+ - 2881007



Surge protection in accordance with Class E_A ($CAT6_A$), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, and DS1. Suitable for Power over Ethernet (PoE+) “Mode A” and “Mode B”. RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

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