

Industrial Ethernet Switch - FL SWITCH 1000T-8POE-GT-2SFP - 1026929

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PoE+ Ethernet switch conforms to IEEE 802.3at. Includes eight 10/100/1000 Mbps PoE+ ports, two 1000 Mbps SFP ports, a total PoE system budget of 120 W, and jumbo frames up to 9600 bytes.

Why buy this product

- Auto negotiation
- Autocrossing
- Wide -40° ... +75°C temperature range
- Redundant power supply
- Automatic detection of IEEE 802.3at or 802.3af powered devices
- Wide-range power supply of 18 ... 57 V DC
- POE status LED per port

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4055626519975

Technical data

Note

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

Width	63.5 mm
Height	145 mm
Depth	136 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)

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Ambient conditions

Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
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 1	Ethernet
No. of ports	10 (8x POE ports, 2x 1000 SFP ports)
Transmission physics	Ethernet RJ45
Transmission speed	10/100/1000 Mbps
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE
Interface 2	Fiber optic interface
No. of ports	2 (SFP ports)
Transmission physics	Depending on the SFP module
Transmission speed	1000 Mbps (full duplex)
Transmission length	up to 80 km (Depending on the fiber/SFP module used)

Function

Basic functions	PSE, complies with IEEE 802.3at
Additional functions	Autonegotiation
Status and diagnostic indicators	LEDs: U _{S1} , U _{S2} (redundant voltage supply); alarm; LNK/ACT, POE
Signal contact control voltage	48 V DC
Signal contact control current	0.5 A

Network expansion parameters

Maximum conductor length (twisted pair)	100 m
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Supply voltage

Supply voltage	24 V DC
	48 V DC
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Supply voltage range	18 V DC ... 57 V DC
Typical current consumption	6.2 A (at U _S =24 V DC)
	2.5 A (at U _S =48 V DC)
Inrush surge current	97.6 A (57 V DC for 858 μs)

General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	1151 g

Connection data

Connection method	COMBICON plug-in screw terminal block
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Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
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
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"

Approvals

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UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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Approvals

cULus Listed



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