

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.

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
- ✓ Wide-range power supply of 18 ... 57 V DC
- ✓ POE status LED per port



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 519975
GTIN	4055626519975
Weight per Piece (excluding packing)	1,480.000 g
Custom tariff number	85176200
Country of origin	Taiwan

Technical data

Dimensions

Width	63.5 mm
Height	145 mm
Depth	136 mm

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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)
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	Ethernet (PoE)
No. of ports	8 (RJ45 ports)
Connection method	RJ45 jack
Transmission physics	Ethernet RJ45
Transmission speed	10/100/1000 Mbps
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE
Interface	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	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

Cascading depth	Network, linear, and star structure: any
Maximum conductor length (twisted pair)	100 m

Supply voltage

Supply voltage	24 V DC
	48 V DC
Residual ripple	3.6 V _{PP} (within the permitted voltage range)

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Supply voltage

Supply voltage range	18 V DC ... 57 V DC
Typical current consumption	470 mA (at $U_s = 24$ V DC)
Max. current consumption	6.2 A (Maximum, nominal load)
Inrush current	30.8 A (24 V DC for 1050 μ s)

General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	1151 g
Note	Mode A PoE
MTTF	39.1 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Connection data

Connection method	COMBICON plug-in screw terminal block
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"

Classifications

eCl@ss

eCl@ss 10.0.1	19170402
eCl@ss 11.0	19170402
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100

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eCl@ss

eCl@ss 6.0	19170100
eCl@ss 7.0	19170106
eCl@ss 9.0	19170106

ETIM

ETIM 6.0	EC000734
ETIM 7.0	EC000734