FL SWITCH 4800E-24FX-4GC - Industrial Ethernet Switch

2891102

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Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. It provides 24 SC-D MM fiber ports at 100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

Your advantages

- Network structure according to IEC 61850
- IEEE 1613

Commercial data

Item number	2891102
Packing unit	1 pc
Sales key	DN17
Product key	DNN125
GTIN	4055626292748
Weight per piece (including packing)	6,383 g
Weight per piece (excluding packing)	4,660 g
Customs tariff number	85176200
Country of origin	TW

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Technical data

Dimensions

Width	442 mm
Height	44 mm
Depth	375 mm

Mounting

Mounting type	Rack mount, includes brackets

Interfaces

Fiber optic interface

Connection method	SC
Transmission speed	100 Mbps (Full duplex)
Transmission physics	multi-mode fiberglass
Transmission length	8 km (fiberglass with F-G 62.5/125 0.7 dB/km F1000)
	3.3 km (fiberglass with F-G 62.5/125 2.6 dB/km F600)
	9.6 km (fiberglass with F-G 50/125 0.7 dB/km F1200)
	5.3 km (fiberglass with F-G 50/125 1.6 dB/km F800)
Wavelength	1300/1310 nm
No. of channels	24 (Multi mode)

Ethernet (RJ45/FO combo)

Connection method	SFP/RJ45
Note on the connection method	Auto negotiation and autocrossing (RJ45 interface)
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet RJ45 (10/100/1000 Mbps) or SFP (1000 Mbps)
No. of channels	4

Product properties

Product type	Switch
Product family	Managed Switch 4000
Type	Block design

Switch functions

Basic functions	Store and forward switch, Extended Ring and IEEE redundancy, Multicast control, IGMP snooping, trunking, Port and Tagging VLANs, Port and IEEE 802.1x security, SNMP V3 and Https security, SNTP, web customization, user accounts
Redundancy	ERR (Extended ring redundancy)
Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), link and activity per port

Security functions

Basic functions	Store and forward switch, Extended Ring and IEEE redundancy, Multicast control, IGMP snooping, trunking, Port and Tagging

	VLANs, Port and IEEE 802.1x security, SNMP V3 and Https security, SNTP, web customization, user accounts

Electrical properties

Transmission medium	Copper
	FO

Supply

Power supply connection	From FL SWITCH 4800E-P...

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °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)

EMC data

Noise immunity	IEC 61850-3, IEEE 1613, EN 61000-6-2: 2005

Noise emission

Standards/regulations	EN 61000-6-4

System properties

Functionality

Basic functions	Store and forward switch, Extended Ring and IEEE redundancy, Multicast control, IGMP snooping, trunking, Port and Tagging VLANs, Port and IEEE 802.1x security, SNMP V3 and Https security, SNTP, web customization, user accounts

Signaling

Status display	LEDs: U_{S1}, U_{S2} (redundant voltage supply), link and activity per port

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Classifications

UNSPSC

UNSPSC 21.0	43222612

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	15(a), 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)