FL SWITCH 4808E-16FX-4GC - Industrial Ethernet Switch

2891079

https://www.phoenixcontact.com/us/products/2891079

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. Provides eight RJ45 ports at 10/100 Mbps, 16 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).

Product description

Developed according to IEC 61850-3 (Ambient conditions)

Your advantages

- Network structure according to IEC 61850
- IEEE 1613

Commercial data

Item number	2891079
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN17
Product key	DNN125
GTIN	4046356801690
Weight per piece (including packing)	4,480 g
Weight per piece (excluding packing)	4,470 g
Customs tariff number	85176200
Country of origin	TW

Technical data

Dimensions

Width	442 mm
Height	44 mm
Depth	375 mm

Notes

Note on application

Note on application	Only for industrial use

Material specifications

Color (Housing)	black (RAL 9005)

Mounting

Mounting type	Rack mounting (with holder)
Holder system	19" rack

Interfaces

Ethernet (RJ45)

Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m
No. of channels	8 (RJ45 ports)

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	16 (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 (Combo ports)

Product properties

Product type	Switch
Product family	Managed Switch 4000
Type	Block design
MTTF	7.3 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
	41.2 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	19.8 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))

Switch functions

Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), link and activity per port
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 functions	ERR (Extended ring redundancy)

Electrical properties

Transmission medium	Copper
	FO

Supply

Supply voltage	24 V DC (Based on modular power supplies used)
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)

Standards and regulations

Standard designation	Ambient conditions
Standards/specifications	IEC 61850-3

EMC data

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

Noise emission

Standards/regulations	EN 61000-6-4

Signaling

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

Classifications

ECLASS

ECLASS-13.0	19170401
ECLASS-15.0	19170401

ETIM

ETIM 10.0	EC000734

UNSPSC

UNSPSC 21.0	43222600

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)
SCIP	f74063f7-d6e1-4acd-9061-ecca83a5faae

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com