

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



2891086

<https://www.phoenixcontact.com/us/products/2891086>

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 ST SM 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	2891086
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN17
Product key	DNN125
GTIN	4046356981668
Weight per piece (including packing)	6,211 g
Weight per piece (excluding packing)	4,488 g
Customs tariff number	85176200
Country of origin	TW

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



2891086

<https://www.phoenixcontact.com/us/products/2891086>

## Technical data

### Dimensions

Width	442 mm
Height	44 mm
Depth	375 mm

### Notes

#### Note on application

Note on application	Only for industrial use
---------------------	-------------------------

### Mounting

Mounting type	Rack mount, includes brackets
---------------	-------------------------------

### 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)
Connection method	ST
Transmission speed	100 Mbps (Full duplex)
Transmission physics	Single-mode fiberglass
Transmission length	40 km (typical)
No. of channels	16 (Singlemode)

#### 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,
-----------------	--

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



2891086

<https://www.phoenixcontact.com/us/products/2891086>

	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 <sub>S1</sub> , U <sub>S2</sub> (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

Current consumption	476 mA (115 V AC from FL SWITCH 4800E-P5)
Transmission medium	Copper FO

## Supply

Inrush current	19.2 A (48 V DC from FL SWITCH 4800E-P1)
Current consumption	476 mA (115 V AC from FL SWITCH 4800E-P5)

## 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

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



2891086

<https://www.phoenixcontact.com/us/products/2891086>

Status display

LEDs: U<sub>S1</sub>, U<sub>S2</sub> (redundant voltage supply), link and activity per port

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



2891086

<https://www.phoenixcontact.com/us/products/2891086>

## Classifications

### ECLASS

ECLASS-13.0	19170401
ECLASS-15.0	19170401

### ETIM

ETIM 9.0	EC000734
----------	----------

### UNSPSC

UNSPSC 21.0	43222612
-------------	----------

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](mailto:info@phoenixcon.com)