

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



2891085

<https://www.phoenixcontact.com/us/products/2891085>

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

- IEEE 1613
- Network structure according to IEC 61850

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2891085 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DN17 |
| Product key | DNN125 |
| Catalog page | Page 429 (C-6-2017) |
| GTIN | 4046356981651 |
| Weight per piece (including packing) | 6,211 g |
| Weight per piece (excluding packing) | 4,488 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

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 | ST |
| 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 |

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 |
|-----------------|---|

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| | |
|----------------------------------|--|
| | 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... |
| Inrush current | 19 A (48 V DC from FL SWITCH 4800E-P1) |
| Current consumption | 553 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 | 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

ECLASS

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|-------------|----------|
| ECLASS-11.0 | 19170401 |
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UNSPSC

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| 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) |
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