

FL SWITCH 1000T-8POE-GT-2SFP - Industrial Ethernet Switch



1026929

<https://www.phoenixcontact.com/us/products/1026929>

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Unmanaged PoE Switch 1000 series, 2 SFP ports 1000 Mbps, 8 RJ45 ports 10/100/1000 Mbps, degree of protection: IP30, Ambient temperature (operation): -40 °C ... 75 °C, Supply voltage range: 18 V DC ... 57 V DC

Your advantages

- Auto negotiation
- Autocrossing
- Wide temperature range -40 °C ... +75 °C
- Wide-range power supply of 18 ... 57 V DC
- POE status LED per port
- Redundant power supply
- Automatic detection of IEEE 802.3at or 802.3af powered devices

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1026929 |
| Packing unit | 1 pc |
| Sales key | DN18 |
| Product key | DNN115 |
| GTIN | 4055626519975 |
| Weight per piece (including packing) | 1,469 g |
| Weight per piece (excluding packing) | 1,151 g |
| Customs tariff number | 85176200 |
| Country of origin | TW |

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Technical data

Dimensions

| | |
|--------|---------|
| Width | 63.5 mm |
| Height | 145 mm |
| Depth | 136 mm |

Notes

| | |
|--------------------|------------|
| Notes on operation | Mode A PoE |
|--------------------|------------|

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

Interfaces

Fiber optic interface

| | |
|----------------------|--|
| Connection method | SFP |
| Transmission speed | 1000 Mbps (full duplex) |
| Transmission physics | Depending on the SFP module |
| Transmission length | up to 80 km (Depending on the fiber/SFP module used) |
| No. of channels | 2 (SFP ports) |

Ethernet (PoE)

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

Product properties

| | |
|----------------|---|
| Product type | Switch |
| Product family | Unmanaged PoE Switch 1000 |
| Type | Stand-alone |
| MTTF | 39.1 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%) |

Switch functions

| | |
|----------------------------------|--|
| 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 |
| Signal contact control voltage | 48 V DC |
| Signal contact control current | 0.5 A |
| Status and diagnostic indicators | LEDs: U _{S1} , U _{S2} (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port |

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| | |
|----------------------|--|
| Additional functions | Autonegotiation |
| Security functions | |
| 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 |

Electrical properties

| | |
|-------------------|---|
| Local diagnostics | US1, US2 Supply voltage Green LED |
| | PoE PoE detection Orange LED |
| | LNK/ACT Link status/data transmission Green LED |
| | Alarm Power failure at US1 or US2/Link failure |

Supply

| | |
|-----------------------------|--|
| Supply voltage (DC) | 24 V DC |
| | 48 V DC |
| Supply voltage range | 18 V DC ... 57 V DC |
| Power supply connection | Via COMBICON, max. conductor cross-section 2.5 mm ² |
| Inrush current | 30.8 A (24 V DC for 1050 µs) |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Max. current consumption | 6.2 A (Maximum, nominal load) |
| Typical current consumption | 470 mA (at U _S = 24 V DC) |

Function

| | |
|--------------------------------|---------|
| Signal contact control voltage | 48 V DC |
| Signal contact control current | 0.5 A |

Connection data

Power supply

| | |
|-----------------------------------|---|
| Connection method | COMBICON plug-in screw terminal block |
| Conductor cross-section, rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |
| Stripping length | 7 mm |

Environmental and real-life conditions

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) |

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Approvals

Conformity/Approvals

| | |
|-------------|--------------|
| Conformance | CE-compliant |
|-------------|--------------|

EMC data

| | |
|---------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Conformance with EMC directives | IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B |
| | IEC 61000-4-3 (immunity to radiated interference) Criterion A |
| | IEC 61000-4-4 (burst) Criterion A |
| | IEC 61000-4-5 (surge) Criterion B |
| | IEC 61000-4-6 (immunity to conducted interference) Criterion A |
| | IEC 61000-4-8 (immunity to magnetic fields) Criterion A |
| Noise immunity | EN 55022 (emitted interference) Criterion A |
| | EN 61000-6-2:2019 |

Noise emission

| | |
|-----------------------|-------------------|
| Standards/regulations | EN_61000-6-4:2019 |
|-----------------------|-------------------|

System properties

Functionality

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

Signaling

| | |
|----------------|--|
| Status display | LEDs: U _{S1} , U _{S2} (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet 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(a)-I, 6(c), 7(a), 7(c)-I, 7(c)-IV |

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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