

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621

<https://www.phoenixcontact.com/us/products/1342621>

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.



PoE++ Ethernet switch conforms to IEEE 802.3af/at/bt, includes five PoE RJ45 ports with 10/100/1000 Mbps on all ports, two SFP ports, automatic data transmission speed detection, autocrossing function, and QoS. 90 W per port with a 240 W power budget

Your advantages

- RJ45 ports support a transmission speed of 10/100/1000 Mbps
- QoS-prioritized (Quality of Service) messages
- Local diagnostic indicators with LEDs
- PROFINET PTCP filter for reliable communication on PROFINET networks
- Enhanced traffic prioritization for automation protocols
- Energy-efficient Ethernet in accord. with IEEE 802.3az
- PROFINET Conformance Class A for real-time data exchange
- Auto negotiation and autocrossing detection simplifies installation and setup
- Automatic detection of IEEE 802.3at, 802.3af, or 802.3bt powered devices
- POE status LED per port
- Jumbo frame support (frame size up to 9216 bytes/frame)

Commercial data

Item number	1342621
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN18
Product key	DNN115
GTIN	4063151652944
Weight per piece (including packing)	863 g
Weight per piece (excluding packing)	749 g
Customs tariff number	85176200
Country of origin	TW

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621

<https://www.phoenixcontact.com/us/products/1342621>

Technical data

Dimensions

Width	65 mm
Height	141 mm
Depth	107 mm

Notes

Notes on operation	Mode A PoE
Note on application	
Note on application	Only for industrial use

Material specifications

Color (Housing)	gray (RAL 7042)
Color (Cover)	light gray (RAL 7035)
Housing material	Polycarbonate fiber reinforced
	Aluminum / steel sheet DC01

Mounting

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

Interfaces

Ethernet

Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100/1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 40 km (Depending on the fiber/SFP module used)
Signal LEDs	Data receive, link status
No. of channels	2 (SFP ports)
Input buffer	1.5 Mbits
Output buffer	1.5 Mbits

Ethernet (PoE)

Connection method	RJ45
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	5 (RJ45 PoE ports)

Product properties

Product type	Switch
--------------	--------

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621

<https://www.phoenixcontact.com/us/products/1342621>

Product family	Unmanaged PoE Switch 1000
Type	Stand-alone
MTTF	44.5 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%) 656.5 Years (SN 29500 standard, temperature 25°C, operating cycle 21%) 460.9 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))

Switch functions

Basic functions	PSE, complies with IEEE 802.3af/at/bt
	Autonegotiation
	Store and Forward switching mode
MAC address table	4k
Status and diagnostic indicators	LEDs: U _S , link and activity per port
Additional functions	100 BASE-TX (IEEE 802.3u)
	Quality of Service (QoS) prioritization (IEEE 802.1p)
	Energy-efficient Ethernet (IEEE 802.3az)
	10Base-T (IEEE 802.3)
	Gigabit Ethernet 1000BASE-T (IEEE 802.3ab)
	Jumbo frames (Max. 9,216 bytes)

Security functions

Basic functions	PSE, complies with IEEE 802.3af/at/bt
	Autonegotiation
	Store and Forward switching mode

Electrical properties

Maximum power dissipation for nominal condition	270 W (at 55V DC)
Transmission medium	Copper

Supply

Supply voltage (DC)	48 V DC
Supply voltage range	46 V DC ... 57 V DC (>52 V DC for PoE+ recommended)
Power supply connection	Via COMBICON, max. conductor cross-section 2.5 mm ²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Max. current consumption	6 A (at 46 V DC)
Typical current consumption	57 mA (at 55 V DC, no load)

Connection data

Power supply

Connection method	Push-in spring connection
pluggable	yes
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

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621

<https://www.phoenixcontact.com/us/products/1342621>

Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 2.5 mm²
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.25 mm² ... 2.5 mm²
	0.25 mm² ... 2.5 mm²
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 2.5 mm²
Stripping length	10 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30
Ambient temperature (operation)	-10 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	2000 m (maximum)
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock (operation)	30g (EN 60068-2-27)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
Air pressure (operation)	79 kPa ... 108 kPa up to 2000 m above mean sea level (Without derating)
Air pressure (storage/transport)	79 kPa ... 108 kPa up to 2000 m above mean sea level (Without derating)

Approvals

Conformity/Approvals

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

EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Conformance with EMC directives	EN 61000-6-2 EN 61000-4-2 (ESD) Criterion B
	EN 61000-6-2 EN 61000-4-3 (electromagnetic fields) Criterion A
	EN 61000-6-2 EN 61000-4-4 (EFT burst) Criterion A
	EN 61000-6-2 EN 61000-4-5 (surge) Criterion B
	EN 61000-6-2 EN 61000-4-6 (line noise immunity) Criterion A
	EN 61000-6-2 EN 61000-4-8 (electromagnetic fields) Criterion A
Noise immunity	EN 61000-6-2 EN 55032 Class A
	EN 61000-6-2:2019

Noise emission

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

System properties

Functionality

Basic functions	PSE, complies with IEEE 802.3af/at/bt
	Autonegotiation
	Store and Forward switching mode

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621
<https://www.phoenixcontact.com/us/products/1342621>

Signaling

Status display	LEDs: U _S , link and activity per port
----------------	---

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621

<https://www.phoenixcontact.com/us/products/1342621>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1342621>



cULus Listed

Approval ID: E238705

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621

<https://www.phoenixcontact.com/us/products/1342621>

Classifications

ECLASS

ECLASS-13.0	19170402
ECLASS-15.0	19170402

ETIM

ETIM 10.0	EC000734
-----------	----------

UNSPSC

UNSPSC 21.0	43222600
-------------	----------

FL SWITCH 1100-5POE-2SFP - Industrial Ethernet Switch



1342621

<https://www.phoenixcontact.com/us/products/1342621>

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-50
	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)
-------------------------------------	----------------------

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