

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

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.



Product description

CC-Link IE TSN Class B

Your advantages

- Realization of innovative TSN applications with precise time synchronization in accordance with IEEE 802.1AS, frame preemption and PROFINET stream
- Extensive options for setting up decentral and time-critical applications
- Improved performance, robustness, and availability of Ethernet networks
- Can be used in classic applications as well as TSN networks
- Supports all functions of the FL SWITCH 2300 series

Commercial data

Item number	1525939
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN17
Product key	DNN127
GTIN	4063151994655
Weight per piece (including packing)	6,182 g
Weight per piece (excluding packing)	4,782 g
Customs tariff number	85176200
Country of origin	TW

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

Technical data

Dimensions

Width	442 mm
Height	44 mm
Depth	375 mm

Material specifications

Color (Housing)	white aluminium (RAL 9006)
Housing material	Metal

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	10/100/1000 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)
Signal LEDs	Data receive, link status
No. of channels	24 (RJ45 ports)

Ethernet (SFP+)

Number of interfaces	4
Connection method	SFP
Transmission speed	1000/10000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 80 km (Depending on the fiber/SFP module used)
Signal LEDs	Data receive, link status
No. of channels	4 (SFP+ ports)

Product properties

Product type	Switch
Product family	Managed TSN Switch 5000
Type	Stand-alone
MTTF	151.8 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	66 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)
	13 Years (SN 29500 standard, temperature 60°C, operating cycle 100%)

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

Special properties	Development process certified in accordance with IEC 62443-4-1
	Compatible with IEC 62443-4-2
Insulation characteristics	
Protection class	III (VDE 0106)
Degree of pollution	2
Switch functions	
Diagnostic functions	RMON History
	LLDP (Link Layer Discovery Protocol)
	SNMP-Traps
	N:1-Portmirroring
	ACD (Address Conflict Detection)
	SysLog
	CRC-Surveillance
Basic functions	Store-and-forward switch, complies with IEEE 802.3
PROFINET conformance class	Conformance Class B
PROFINET device function	PROFINET device
	Fast Startup
Filter functions	Quality of Service (8 priority classes)
	Class of Service
	DiffServ/DSCP
	Port-Priorisierung
	VLAN (up to 32 VLANs)
	IGMP Snooping/Querier (v1/v2)
	Auto-Query-Port
IP parameterization	Extended Multicast Filtering
	DHCP client
	DHCP Option 82 (Relay Agent)
	DHCP server (pool-based, port-based)
	BootP
MAC address table	32k
Management	DCP (Discovery and Configuration Protocol)
	Web-based management (HTTP/HTTPS)
	Role-based user management (LDAP, RADIUS)
	SNMPv1/v2/v3
Redundancy	Command Line Interface (Telnet, SSH)
	MRP (Media Redundancy Protocol)
	RSTP (Rapid Spanning Tree Protocol)
	FRD (Fast Ring Detection)
	Large Tree Support
	LACP (Link Aggregation Control Protocol)
	PROFINET S2 system redundancy
Status and diagnostic indicators	LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (Link/Activity and Speed)

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

Additional functions	Jumbo frames (max. 9,600 bytes)
	Transmission of MMS and GOOSE (IEC 61850-8-1)
	Transmission of Modbus/TCP
Time synchronization	SNTP (Simple Network Time Protocol)
	gPTP (IEEE 802.1AS)
	IEEE 1588v2 (Transparent Clock)

Security functions

Port security	MAC-based, RADIUS (IEEE 802.1X), MAC Authentication Bypass
Basic functions	Store-and-forward switch, complies with IEEE 802.3

Electrical properties

Transmission medium	Copper
	FO

Supply

Supply voltage range	100 V AC ... 240 V AC (a power supply is included, optional redundant equipment possible)
Max. current consumption	0.74 A (50/60 Hz)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C
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)

Standards and regulations

Free from substances that could impair the application of coating	Yes
---	-----

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 A
	EN 61000-6-2 EN 61000-4-6 (line noise immunity) Criterion A
	EN 61000-6-2 EN 61000-6-4 (interference) Class A
Noise immunity	EN 61000-6-4 (conducted interference) Class A
	EN 61000-6-2

Noise emission

Standards/regulations	EN 61000-6-4
-----------------------	--------------

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

System properties

Functionality

Basic functions

Store-and-forward switch, complies with IEEE 802.3

Signaling

Status display

LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (Link/Activity and Speed)

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1525939>



IECEE CB Scheme

Approval ID: DK-161792-UL



cULus Listed

Approval ID: E140403



KC

Approval ID: R-R-PCK-1525939

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

Classifications

ECLASS

ECLASS-13.0	19170401
ECLASS-15.0	19170401

ETIM

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

UNSPSC

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

FL SWITCH 5924-4SFP+ - Industrial Ethernet Switch



1525939

<https://www.phoenixcontact.com/us/products/1525939>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	15(a), 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