

FL SWITCH 1000N-8POE - Industrial Ethernet Switch

1343031

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PoE+ Ethernet switch conforms to IEEE 802.3af/at, includes eight PoE RJ45 ports with 10/100 Mbps on all ports, automatic data transmission speed detection, autocrossing function, and QoS with a 120 W power budget

Your advantages

- RJ45 ports support a transmission speed of 10/100 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 or 802.3af powered devices
- POE status LED per port

Commercial data

Item number	1343031
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNN115
GTIN	4063151654337
Weight per piece (including packing)	539 g
Weight per piece (excluding packing)	457 g
Country of origin	TW

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Technical data

Dimensions

Width	40 mm
Height	140.4 mm
Depth	92.4 mm

Notes

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

Material specifications

Housing material	Polycarbonate fiber reinforced
	Aluminum / steel sheet DC01

Mounting

Mounting type	DIN rail mounting
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Interfaces

Ethernet (RJ45)

Number of interfaces	8
Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps (full duplex)
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (per segment)
Signal LEDs	Data receive, link status, PoE
No. of channels	8 (RJ45 ports)

Ethernet (PoE)

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

Product properties

Product type	Switch
Product family	Unmanaged PoE Switches 1000
Type	Stand-Alone
MTTF	58 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

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	521.3 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	583.5 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
	Autonegotiation
	Store and Forward switching mode
MAC address table	2k
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)

Security functions

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

Electrical properties

Maximum power dissipation for nominal condition	136 W (at 48 V DC)
Transmission medium	Copper

Supply

Supply voltage (DC)	24 V
Supply voltage range	20 V DC ... 57 V DC
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	7 A (at 20 V DC)
Typical current consumption	95 mA (at 24 V DC)

Connection data

Connection technology

Connection name	Power supply
pluggable	yes

Power supply

Connection method	Push-in spring connection
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
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ²