


**Product:** [GECKO 8TX/2SFP-PN](#) 

8x FE TX, 2x FE/GE SFP, 12-24 V DC, -40-+70°C, Lite Managed, Profinet

## Product Description

Lite Managed Industrial ETHERNET Rail-Switch, Ethernet/Fast-Ethernet Switch with Gigabit Uplink, Store and Forward Switching Mode, fanless design

## Technical Specifications

### Product description

Type:	GECKO 8TX/2SFP-PN
Description:	Lite Managed Industrial ETHERNET Rail-Switch, Ethernet/Fast-Ethernet Switch with Gigabit Uplink, Store and Forward Switching Mode, fanless design
Part Number:	942291302
Port type and quantity:	8 x 10BASE-T/100BASE-TX, TP-cable, RJ45-sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100/1000 MBit/s SFP

### More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 3-pin
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### Network size - length of cable

Twisted pair (TP):	0-100 m
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### Network size - cascability

Line - / star topology:	any
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### Power requirements

Operating Voltage:	18 V DC ... 32 V DC
Power consumption:	5.3 W
Power output in BTU (IT)/h:	18.1

### Software

Switching:	TOS/DSCP prioritization (Mapping TOS/DSCP to 802.1D/p), QoS (4 queues), Static unicast/multicast filter entries (up to 100), Flow Control
Redundancy:	RSTP (IEEE 802.1D-2004)
Management:	HTML5 Web-Interface, TFTP config file/firmware transfer, SNMP V1/V2/V3
Diagnostics:	Device status indication (LEDs), Log-File, RMON (1) statistics, Simple interface statistics, Topology Discovery according to IEEE 802.1AB, (LLDP)
Configuration:	BOOTP/DHCP, HiDiscovery
Security:	SNMPv3 (authNoPriv), Possibility to disable each port, SSH, SSL, MAC-Based Port Security
Time synchronisation:	SNTP Client
Presettings:	PROFINET

### Ambient conditions

Air Pressure (Operation):	min. 700 hPa (+9842 ft; +3000 m)
Operating temperature:	-40-+60 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

### Mechanical construction

Dimensions (WxHxD):	38 x 102 x 79 mm (w/o terminal block)
Weight:	223 g
Mounting:	DIN Rail
Protection class:	IP30

### Mechanical stability

IEC 60068-2-6 vibration:	3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min; 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock:	15 g, 11 ms duration

### EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field:	10 V/m (80 MHz - 1 GHz), 3 V/m (1,4 GHz – 6GHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 2 kV data line
EN 61000-4-5 surge voltage:	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 Conducted Immunity:	10 V (150 kHz-80 MHz)

### EMC emitted immunity

EN 55032:	EN 55032 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

### Approvals

Safety of industrial control equipment:	cUL 61010-1 (pending)
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### Scope of delivery and accessories

Accessories to Order Separately:	Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC (CC), Fast Ethernet SFP Transceivers, Fast Ethernet Bi-Directional SFP Transceivers, Gigabit Ethernet SFP Transceivers, Gigabit Ethernet Bi-Directional SFP Transceivers , Mounting Accessories
Scope of delivery:	Device, 3-pin terminal block for the supply voltage and the grounding, Safety and general information sheet

### Further Instructions

Product Documentation:	<a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>

### Variants

Item #	Type
942291302	GECKO 8TX/2SFP-PN

Update and Revision:	Revision Number: 0.67 Revision Date: 01-11-2022
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