

Lite Managed Industrial Ethernet Switch – GECKO 4TX



Lite Managed Industrial Ethernet Rail-Switch

The GECKO 4TX industrial Ethernet switch provides diagnostic, redundancy and security functions at an outstanding price-performance ratio. Although this "lightly" managed switch stands out with its simplicity, it also offers functionalities that enable more advanced capabilities than available with unmanaged devices. These include redundancy functionality for a high reliability of the network, and fast and simple error diagnosis for higher machine uptime and smooth production workflows. Furthermore, it is possible to turn off unused ports to prevent unwanted connections that may cause harm to your network. Finally, the GECKO helps you to get more status information from your network.



Technical Information

Product Description	
Type	GECKO 4TX
Description	Lite Managed Industrial ETHERNET Rail-Switch, Store and Forward Switching Mode, fanless design
Switching/Routing	Lite managed Layer 2
Available Ports	4 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
Order No.	942 104-001
Construction	
Mounting	DIN-Rail
Protection Class	IP30
Dimensions (WxHxD)	25 x 114 x 79 mm
Weight	100g
Ambient Conditions	
Operating Temperature	0 °C to +60 °C
Storage/Transport Temperature	-40 °C to +85 °C
Relative Humidity (non-condensing)	5% to 95%
Interfaces	
V.24 Interface	n/a
USB Interface	n/a
Power Requirements	
Operating Voltage	9.6 to 32 V DC
PoE (802.3af/at) Ports Supported	n/a
Software	
Management	SNMP v1, v2c, v3, Web based management
Diagnostic	Device status indication (LEDs), RMON (1) statistics, Simple interface statistics (MIB-2), Local Log-Files, LLDP
Configuration	BOOTP/DHCP
Security	Possibility to disable each port
Redundancy	RSTP
Filter	Store and Forward switching, QoS, TOS/DSCP prioritization, Static unicast/multicast address entries
Regulatory Approvals	
Safety of Industrial Control Equipment	cUL61010-1/-2-201
Reliability	
MTBF Range	56.6 years
Warranty	5 years standard

NOTE: These are the prominent technical specifications. For complete technical specifications visit: www.belden.com/hirschmann



Part Number: 942 104-001

Lite managed industrial Ethernet Switch

Product Description

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

Product Specifications

Product description

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Description:	Lite Managed Industrial ETHERNET Rail-Switch, Ethernet/Fast-Ethernet Switch, Store and Forward Switching Mode, fanless design.
Port type and quantity:	4 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity

Displays

More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 3-pin, no signaling contact
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Radio technology

Network size - length of cable

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

Line - / star topology:	any
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Power requirements

Current consumption at 24 V DC:	120 mA
Operating voltage:	DC 9,6 V - 32 V
Power consumption:	2,9 W
Redundancy functions:	RSTP (IEEE 802.1D-2004)

Power Output

Configuration features

Diagnostics features

Security features

Service

Software

Filter:	TOS/DSCP prioritization (Mapping TOS/DSCP to 802.1D/p), Prioritization through 4 queues, Static unicast/multicast filter entries (up to 100)
Management:	Web-interface, HTTP(s) 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, DHCP Option 82, HiDiscovery
Security:	SNMPv3 (authNoPriv), Possibility to disable each port

Ambient conditions

Operating temperature:	0-+60 °C
Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Weight:	100 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, 18 shocks

EMC interference immunity

EN 61000-4-3 electromagnetic field:	10 V/m (80–3000 MHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 4 kV data line
EN 61000-4-5 surge voltage:	power line: 2 kV (line/earth), 1 kV (line/line), 2 kV data line IEE1613; power line 5 kV (line/earth)
EN 61000-4-6 conducted immunity:	10 V (150 kHz–80 MHz)

EMC emitted immunity

EN 55022:	EN 55022 Class A
FCC CFR47 Part 15:	FCC 47 CFR Part 15 Class A

Approvals

Safety of industrial control equipment:	UL61010-1/-2-201
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Scope of delivery and accessories

Scope of delivery:	Device, terminal block, operating manual
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