

LineRunner IS-3260

Industrial Ethernet 16 Port Gigabit Switch



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- 16-Port Switch
- 10/100/1000 Mbps
- Store and Forward Switch, self-learning
- Signalling Contacts (managed)
- Function Inputs (managed)
- SD Memory Card with MAC Address
- -40°C ... +85°C (Operation)
- 8 or 12x Power over Ethernet PoE+ acc. to IEEE 802.3at (optional)
- 4 Vario SFP Ports with 100/1000 Mbps

■ Application

The new harsh environment switch systems are supporting the connection of up to 16 network subscribers via fiber-optic or twisted pair cables and are supporting "Gigabit Ethernet" as well as "Fast Ethernet" data rates at all ports. The optical SFP (small form factor pluggable) interfaces allow a very flexible use of the systems.

The switch is the epitome of high performance and robustness. Thanks to its compact design and due to its low installation depth it can easily be installed on a

standard DIN-rail, in a 19" distributor as well as directly on the wall.

High availability, even in critical climatic conditions such as in local area network stations, is ensured due to its wide operating temperature range, namely from -40°C to +85°C. Two redundant wide range power inputs guarantee smooth operation. Network redundancy procedures such as rapid spanning tree (RSTP), multiple spanning tree (MSTP) and industrial media redundancy protocols (MRP) are supported so that the switchover and

reconfiguration of the network can be realised within a few milliseconds.

■ I/O

I/O interfaces allow a swift, simple and low-cost integration of additional devices directly in the field. The switches are offering extensive management functionalities with interactions, sending of messages as well as the activation of alarms.

■ Power over Ethernet (optional function)

Up to 12 connected users can be supplied with Power over Ethernet (via RJ45 connections). In accordance with the latest IEEE 802.3at (PoE+) standard, up to 25.5 watts of power are available for each connected device.

■ Management

The management allows an easy configuration and administration from a central location. Rapid Spanning Tree, Multiple Spanning Tree, Media Redundancy Protocol (MRP), Radius, Prioritisation, SNMPv1/v2/v3, HTTP(S), TELNET and SSH are just a few of the implemented

features. The replacement and the backup of a configuration can be realized by using an optional memory card (alternatively incl. MAC address)

Technical Data

General and Mechanical Specification	
Model	Aluminium case for 35 mm DIN-rail mounting in accordance with EN 60715, (EN 50022), optional: wall-mounting
Dimensions [WxHxD]	95 mm x 184 mm x 125 mm
Enclosure Design	Anodised/varnished aluminium edgewise case
IP Protection Class	IP 30 (EN 60529)
Ambient Temperature	Operation: -40 to +85 °C, Storage: -40 to +85 °C
Relative Humidity	20 to 90% (non condensing)
Weight	1800g
Power Consumption (without PoE)	15W (typ.) /28.8W (max.)
Switch - functional parameters	
Data Throughput (1,000 Mbps port)	1,488,000 packets/sec
Packet Buffer	512kByte
MAC Address Table, Entries	8k
Aging Timer typ.	300seconds
Packet length	9,000bytes
IEEE802.1Q VLAN ID Range	4,095
Flow Control in HDX Mode	Backpressure through 96 Bit JAM
Jumbo Frames	9,000bytes
Switching Method	Store and forward, self learning
Flow Control in FDX Mode	according to IEEE 802.3x
Power Supply (S1, S2, S3)	
Input Voltage without PoE (PSE), only S1 and S2	36V DC - 72V DC
Input Voltage for PoE(+) (PSE), only S3	46V DC - 57V DC
Input Current Consumption (48 V)	0.31 A – 0.6A
Interface Connector Power Supply	3-pin terminal block, screw-on type
Electrical Interfaces (TP)	
Input/output signals Port 1-12	according to IEEE 802.3 10BASE-T, full-duplex, half-duplex, IEEE 802.3 100BASE-TX, full-duplex, half-duplex, IEEE 802.3 1000BASE-T, full-duplex
Interface connector	RJ-45, shielded
Nominal impedance	typ. 100Ohms
SFP (Small Form Factor Pluggable) Interfaces	
Input/output signals (1000 Mbps)	according to IEEE 802.3 1000BASE-LX/1000BASE-SX/1000BASE-T
Input/output signals (100 Mbps)	according to IEEE 802.3 100BASE-FX
I/O Adapter - Signalling Contacts / Function Inputs (Optional)	
Number of outputs	2 (with programmable changer contacts for alarm signalling or other purposes)
Output load capability	max. 30VDC / 2A per contact
Number of inputs	4 (for connection of external potential free contacts)
Signalling/Function I/O Interface Connector	16-pin terminal block
Standard	
Compliance	EN 60950, EN 55022, IEC 61850-3



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