

LineRunner IS-3230 48V

Industrial Ethernet 10 Port Gigabit Switch



LineRunner IS-3230 48V Industrial Ethernet Switch

- 10-Port Switch
- 10/100/1000 Mbps
- Store and Forward Switch, self-learning
- 2 Signalling Contacts (managed)
- 1 Function Contact (managed)
- SD Memory Card with MAC Address
- -40°C ... +85°C (Operation)
- 4x Power over Ethernet acc. to IEEE 802.3af (optional)
- 3 Vario SFP Ports with 100/1000 Mbps

■ Application

The LineRunner IS-3230 enables the design of networking solutions for applications with high demands on system availability. Modern Switching Technology for the use in industrial environments. Ethernet interfaces from 10 Mbps, 100 Mbps up to 1 Gbps Ethernet are supported.

The LineRunner IS-3230 allows to adapt the interfaces to the application by using the corresponding pluggable modules (Gigabit or Fast Ethernet SFP).

This underlines the economic efficiency and the flexibility of the KEYMILE's industrial series.

■ Powered Device (PD)

The LineRunner IS-3230 can be supplied with power via the Ethernet data interface. This functionality is supported by one Fast Ethernet Port and can also be used to realize a redundant power feeding.

■ Power Source Equipment (PSE)

Four twisted pair ports are designated for a remote power supply of connected subscriber equipment via PoE "Power over Ethernet". Here a power of up to 15.4 W is available for each connected device. For the remote power supply two data pairs are used in accordance with IEEE 802.3af Mode A (1-2/3-6).

■ Management

The management allows an easy configuration and administration from a central location.
Rapid Spanning Tree,
Multiple Spanning Tree, Media

Redundancy Protocol (MRP),
ZeroLoss Redundancy, 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]	85 mm x 105 mm x 106 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	750 g
Power Consumption (without PoE)	13.4 W (max.)

Switch - functional parameters

Switching Method	Store and forward, self learning
Data Throughput (1,000 Mbps port)	1,488,000 packets/sec
Packet Buffer	1,024 kbyte
MAC Address Table, Entries	8 k
Aging Timer	typ. 300 seconds
Packet length	1,632 bytes
IEEE802.1Q VLAN IDs	4096
Flow Control in HDX Mode	Backpressure through 96 Bit JAM
Flow Control in FDX Mode	according to IEEE 802.3x

Power Supply (S1, S2)

Input Voltage for PoE (PSE)	46 V DC - 57 V DC
Input Voltage without PoE (PSE)	21 V DC - 57 V DC
Input Current Consumption (48 V)	Max. 0.29 A (without PoE) / max. 1.63 A (with PoE)
Input Power (total)	Max. 13.4 W (without PoE) / max. 75 W (with PoE)
Interface Connector Power Supply	4-pin terminal block, screw-on type

Electrical Interfaces (TP)

Input/output signals Port 1	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
Input/output signals Port 2...8	according to IEEE 802.3 10BASE-T, full-duplex, half-duplex, IEEE 802.3 100BASE-TX, full-duplex, half-duplex
Interface connector	RJ-45, shielded
Nominal impedance	typ. 100 Ohms
Line length	max. 100 m

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

Signalling/Function Contacts

Signalling Contacts (M1, M2)	2 (signalling contact alarm, normally closed contact)
Signalling Contact Load Capability	max. 30 V DC/1 A per contact
Signalling Contact Interface Connector	4-pin terminal block
Function Contact (Standby Function)	2-pin terminal block (an opened/closed function contact will activate the operation sequence as configured in the management!)

Standard

Compliance	EN 60950, EN 55022, IEC 61850-3
------------	---------------------------------



Looking for more information?
Find your local contact on www.keymile.com
or contact us: info@keymile.com ...