



RY-LPIGE-602GBTME

- DIN rail mounting
- Copper ports: 6x10/100/1000TX, RJ45, of which 4xPoE/PoE+
- Optical fibre ports: 2 x 100/1000 MBit/s SFP
- Managed, Layer 2/3, ring redundant
- IEEE 1588 V2, PTP
- Power supply 48-57VDC, redundant

The series includes robust, high-quality switches for the implementation of powerful 10, 100 and 1000MBit/s Ethernet ring network structures according to IEEE802.x. All six copper ports feature Power over Ethernet with PoE and PoE+. These devices are specifically designed for video networking. The switch allows one or more fault-tolerant fiber optic rings to be built via two or more ports.

Product information

Brief description

Industrial L2/L3 switch with management, PoE, PoE+ and DMS

Special Feature for Video Networks

Active monitoring of the camera

Switch-powered cameras by PoE are constantly monitored. In case of a camera failure the switch automatically restarts the camera. If this is not possible the switch alarms by SNMP.

Active monitoring PoE-supply

The switch alarms by SNMP in case of sudden excessive power consumption by a defect camera for example.

Active management of the PoE-performance

The PoE-ports can be started by time intervals so as to prevent an overload of the PoE power supplies.

Further video-friendly features:

Extra high backplane performance for a smooth video transmission with all ports assigned. Support of Jumbo Frames up to 9600Bytes by 100MBit/s. MAC-address restriction ensures port security.

DMS

Active monitoring of the camera

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System Notes

The switch supports PTP, precision time protocol according to IEEE1588 v2 and IEC 61588, a feature used in industrial automation, professional audio-video applications for audio-video bridging and telecommunications, among others.

Technical data

Copper Ports	6 x 10/100/1000TX, 4 x PoE, PoE+ 802.3af/at Maximum PoE performance for all ports: 120W
Fiber Ports	2 x 100/1000, SFP We recommend the use of our barox SFPs. We do not test or guarantee the compatibility of our devices with SFPs of other manufacturers.
Console Port	RS232, 115,2kBit/s, 8, N, 1, RJ45
Supply Voltage	48-57VDC, redundant supply is possible, screw terminal
Power Consumption	Max. 15W (without PoE)
MTBF	25°C: 527'730h 75°C: 100'874h
Operating temperature	-40°C to +75°C Rel. humidity: 5% to 95%, non-condensing
Power Loss	80 BTU/h
Dimensions	135x62x130mm (HxWxL)
Weight	Gross weight [kg] 0.964 Net weight [kg] 0.724
Test Standards	EMV: IEC61000-4-2, 4-3, 4-4, 4-5, 4-6, 4-8 EMI: FCC Part 15 Class A, EN61000-3-2, -3-3, -6-4, EN55022, EN55011 Free fall: IEC60068-2-32 Shock: IEC60068-2-27 Vibration: IEC60068-2-6 Railway standard: EN50121-4, EN50155

Transport: NEMA TS2

Backplane	24 GBit/s
MAC Table	8k
Configuration	Webserver, Telnet, CLI, SNMP v1/v2/v3, TFTP, SSH, SSL, RMON, USB
Port Settings	Per Port: Port disable/enable, Auto negotiation 10/100/1000, Full- & halfduplex, Flow Control disable/enable, data rate
Port Status Display	Per Port: Data rate, Duplex, Link, Flow Control, Auto Negotiation, Trunk
VLAN	max. 64 VLAN ID & 802.1Q VLAN & Port Based
Link Aggregation	802.3ad LACP, static Trunk, 12 Gruppen à 16-Ports
QoS	Class of Service IEEE 802.1p per port 8 Prioritäten
Security	FCC Class A, CE, UL SSH v1 und v2, SSL für GUI User authentication with private key
Multicast	IGMP v1, v2, v3 MVR, Multicast VLAN Registration
Standards	802.3, 10Base-T Ethernet 802.3u, 100BaseTX und 100BaseFX Fast Ethernet 802.3ab, 1000Base-T 802.3z, 1000Base-X 802.3x, Flow Control und Back Pressure 802.1d, Spanning Tree 802.1w, Rapid Spanning Tree 802.1s, Multiple Spanning Tree ITU-TG.8032 / Y.1344 Ethernet Ring Protection Switch 802.3ad, Port Trunk mit LACP 802.3af Power over Ethernet 802.3at Power over Ethernet PoE+ 802.1p, Class of Service 802.1q, VLAN Tag 802.1x, User Authentication (RADIUS) 802.1ab LLDP IEEE 1588 V2, PTP