LT-L802GBTME-BO

Industrial switch with management suitable for Bosch PAVIRO system

- DIN rail mounting
- Copper ports: 8 x 10/100/1000Tx, RJ45
- Fibre optic ports: 2 x 100/1000 Mbit/s SFP

- Layer 3 static routing
- Managed, redundan ring is possible
- Power voltage12-48VDC, redundant



The robust LT-L802GBTME/BO is a high quality switch for the implementation of powerful 10, 100 and 1000Mbit Ethernet ring network structures according to IEEE802.x. This device is approved for integration into the Bosch PAVIRO system. This device was specially developed for the industrial environment. The switch allows the construction of a fault-tolerant optical fibre ring via two connections. In the event of an interruption, the ring closes automatically in less than 50ms. This increases the availability of the system. Two SFP bays for 100/1000BaseSX/LX/ZX are available for the backbone, which can be optionally equipped for multimode or singlemode fibres.

The switche can also be used as stand-alone devices, for point-to-point connections or as connection modules. The extensive possibilities of the management software also allow the use of the modules in systems with high demands on the functionality of the network. Installation is very quick and easy thanks to the mounting device for mounting rails. The electrical and optical connections are ensured by standardized plugs (RJ45 or LC).

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Technical data

General properties

supply voltage	12-48VDC, redundant supply possible, screw terminal
power consumption	Max. 15W
MTBF	
operating temperature	-40°C ... +75°C
dimensions	142x56x99mm (HxWxL)
Testing standards	EMV: IEC61000-4-2, 4-3, 4-4, 4-5, 4-8 IEC61000-6-2, 6-4 Free fall: IEC60068-2-32 Shock: IEC60068-2-27 Vibration: IEC60068-2-6

interfaces

copper ports	8 x 10/100/1000TX, RJ45
optical fibre ports	2 x 100/1000, SFP
console port	RS232, 115,2kBit/s, 8, N, 1, RJ45 USB configuration port: For FW Update, Backup, Recovery, Boot-Up and Syslog, USB2.0 A Type

network properties

backplane	20 GBit/s
MAC-table	8k
configuration	Webserver, Telnet, CLI, SNMP v1/v2/v3, TFTP, SSH, SSL, RMON, USB
PoE Management	
port settings	Per Port: Port disable/enable, Auto negotiation 10/100/1000, Full- & halfduplex, Flow Control disable/enable, data rate
port status	Per Port: Data rate, Duplex, Link, Flow Control, Auto Negotiation, Trunk
layer3 functions	IPv4 and IPv6 Unicast: static routing

VLAN	max. 64 VLAN ID & 802.1Q VLAN & Port Based
link aggregation	802.3ad LACP, static Trunk, 12 groups with 16 ports
QoS	Class of Service IEEE 802.1p per port 4 priorities
security	FCC Class A, CE, UL
multicast	IGMP v1, v2
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 802.1p, Class of Service 802.1q, VLAN Tag 802.1x, User Authentication (RADIUS) 802.1ab LLDP

Product variants

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