LT-L802GBTME

Industrial switch with management

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

- Layer 3 static routing
- Managed, redundant ring possible
- Power voltage 12-48VDC, redundant

The robust LT-802GBTME is a high quality switch for the implementation of powerful 10, 100 and 1000Mbit Ethernet ring network structures according to IEEE802.x. This device was developed especially for the industrial environment. The switch allows the construction of a fault-tolerant fiber optic ring via two connections. In the event of an interruption, the ring closes automatically in less than 50ms. This increases the reliability of the system. Two SFP bays for 100/1000BaseSX/LX/ZX are available for the backbone, which can be equipped either for multimode or singlemode fibers.

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

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
optical fibre 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 USB config port: For FW update, backup, restore, 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
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

	LT-804GBTME	Compare separate datasheet 4 x SFP ohne SFPs ohne Speisung

Version 03.10.2022, Changes without notice