

# 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:<br>IEC61000-4-2, 4-3, 4-4, 4-5, 4-8<br>IEC61000-6-2, 6-4<br>Free fall: IEC60068-2-32<br>Shock: IEC60068-2-27<br>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   |



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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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LT-804GBTME

Compare separate datasheet  
4 x SFP  
ohne SFPs  
ohne Speisung

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*Version 03.10.2022, Changes without notice*