LT-LPIGE-804GBTME

Industrial switch with management and PoE+

- Rail DIN mounting
- Copper ports: 8x10/100/1000Tx, RJ45, PoE802.3af/at
- Optical-fibre ports 2 or 4 x 100/1000 Mbit/s SFP
- Layer 3 static routing
- with management, ring-capable
- Power supply 44-56VDC, redundant

Robust and high quality industrial switches for the use in 10/100/1000 IEEE802.x Ethernet IP-networks with high data loads. All copper ports are PoE+ capable. The switches may be used in redundant ring topologies with a recovery time of less than 50ms. Two or four SFP bays allow the use of fiber optic with multimode or singlemode fiber. With the high data rate of the backplane these switches are predestinated for the use in networks with a high traffic load as for instance in video surveillance. The powerful management allows the use of these switches in big and structured networks. The switch is made for mounting on DIN-rail bars.

Video network special features

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.
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.

More information

Special features	USB config port: For FW-update, backup, restore, boot up and syslog, USB2.0 A-Typ

Technical data

General properties

supply voltage	48-55VDC, redundant power possible, screw clamp
power consumption	Max. 15W (without PoE)
MTBF	
operating temperature	-40°C to +75°C
dimensions	142x56x99mm (Height x Width x Lenght)
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, PoE+ 802.3af/at
optical fibre ports	LT-PIGE-802-GBTME: 2 x 100/1000, SFP (Copper: use AC-SFP-xxx verwenden) LT-PIGE-804-BGTME: 4 x 100/1000, SFP (Copper: use AC-SFP-xxx verwenden) 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

network properties

backplane	LT-PIGE-802-GBTME: 20 GBit/s LT-PIGE-804-BGTME: 24 GBit/s
MAC-table	8k
configuration	Console, 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 802.3af 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

Product variants

	LT-LPIGE-802GBTME	see separate data shett 2 x SFP Without SFPs Without power supply

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