

# LT-PIGE-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
- 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

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### 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.

### 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

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Spezielle Eigenschaften

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



## Technical data

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### General properties

supply voltage	48-55VDC, redundant power possible, screw clamp
power consumption	Max. 15W (without PoE)
operating temperature	-40°C to +75°C
dimensions	142x56x99mm (Height x Width x Length)
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 (Bei Kupfer-SFPs Typen AC-SFP-xxx verwenden) LT-PIGE-804-BGTME: 4 x 100/1000, SFP (Bei Kupfer-SFPs Typen AC-SFP-xxx verwenden)
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
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

802.3af 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

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**LT-PIGE-802GBTME** see separate data sheet  
2 x SFP  
Without SFPs  
Without power supply

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*Version 26.11.2018, Changes without notice*