

Switch

Switch Hut. 8xRJ45 4xSFP 8xPoE+ -RY-LPIGE-804GBTME

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The series includes robust, high-quality switches for the implementation of powerful 10, 100 and 1000MBit/s Ethernet ring network structures according to IEEE802.x. All eight copper ports feature Power over Ethernet with PoE and PoE+. These devices have been specially developed for video networks. The switch allows the construction of one or more fault-tolerant glass fibre rings via two or more connections. In the event of an interruption, the ring closes automatically in less than 50ms. This increases the availability of the system. Four SFP bays for 100/1000BaseSX/LX/ZX are available for the backbone, which can be equipped for multimode or singlemode. The switches 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 switches 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 connectors (RJ45 or LC).

Technical data:

Copper ports: 8 x 10/100/1000TX, 8xPoE+ 802.

3af/at Maximum PoE power across all ports: 240W

FO ports: 4 x 100/1000, SFP

Console port: RS232, 115.2kBit/s, 8, N, 1, RJ45

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

backplane: 24 GBit/s

MAC Table: 8k

Configuration: Web server, 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 of 16 ports each

QoS: Class of Service IEEE 802.1p per port 8 priorities

Security: FCC Class A, CE, UL SSH v1 and v2, SSL for GUI

Multicast: IGMP v1, v2, v3 MVR, Multicast VLAN Registration

Power supply: 48-57VDC, redundant power supply possible, screw terminals

Power: Max. 15W (without PoE)

Operating temperature: -40°C to +75°C

Dimensions: 135x62x130mm (HxWxL), 0,7kg

Standards :

802.3, 10Base-T Ethernet

802.3u, 100BaseTX and 100BaseFX Fast Ethernet

802.3ab, 1000Base-T

802.3z, 1000Base-X

802.3x, flow control and 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 with 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

Testing standards:

EMV: IEC61000-4-2, 4-3, 4-4, 4-5, 4-6, 4-8

EMI: FCC Part 15 Class A, EN61000-3-2, -3-3, -6-4, EN55022, EN55011

Free fall: IEC60068-2-32

Shock: IEC60068-2-27

Vibration: IEC60068-2-6

Rail standard: EN50121-4, EN50155

Transport: NEMA TS2

Substation: IEC61850-3, IEEE1613

Navy: DNV

Turnkey delivery and installation or Turnkey assembly and connection

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Make: Geutebrück or equivalent