RY-LGSO25-28

19"-switch with management and 24 optical ports and 4 uplinkports10G with management

- 19-"-switch L2/L3 with 24 optical ports
- Additional 4 uplink ports with 1/10Gbit/s
- Copper ports: 4 x 10/100/1000Mbit/s
- With management, ring redundant, L3 functions. DMS
- Power: 230VAC and 48VDC redundant



Being developed for tasks with high data volume, this layer-2/3 switch with L3 functions is suitable for example for video over IP and video streaming in connection with multicast as well. The high number of optical ports allow the use of the RY-LGS025-28 for remote units, as per example IP-cameras. With its extensive management possibilities, it is also suitable for complex network structures.

Video network special features

High backplane performance for a fluid video transmission with full port allocation. Support of jumbo frames up to 9600Bytes also with 100MBit/s. Port security through restriction of MAC-addresses.

DMS

DMS (Device Management System)

This switch disposes of an integrated network monitoring and control system which gives the user a good overview over the whole network in an easy way. This DMS-system has the following qualities:

Graphical network map
The network map gives a quick overview over all switches and terminal devices such as IP-cameras or servers indicating the IP-address, type of device and equipment. Plans and maps can be saved as background pictures and thus enable the user to access to certain devices without knowledge of the entire IP-structure.

Device search
This function enables the access to a specific device also in large networks. Recently added devices, as per example a new IP-camera, are immediately displayed and thus enable a direct access.
Data traffic display
Graphical display of data traffic per port in a time axis.

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Error handling and security
Network diagnosis between master switch and terminal devices. Protective mechanisms such as data flow restriction guarantee an effective protection against inadvertent access. IEEE802.3ah and IEEE802.1ag provide tools for structuring of networks.

Technical data

General properties

supply voltage	100-240VAC, 50-60Hz and 48VDC redundant possible
power consumption	Max. 30W
MTBF	25°C: 196'049h 40°C: 46'583h 50°C: 42'690h 60°C: 38'246h
operating temperature	-20°C to 60°C
dissipation loss	102BTU
dimensions	442 x 212 x 44mm

interfaces

copper ports	4 x 10/100/1000TX, 45RJ
optical fibre ports	24 x 100/1000 + 4 x 1G/10G, 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, DB9 console cable incl.

network properties

backplane	128GBit/s
MAC-table	32k
configuration	Console, CLI console, Web GUI, SNMPv1, v2c and v3
PoE Management	

port settings	Port disable/enable. Auto-negotiation 10/100/1000Mbps. Flow control disable/enable. Data rate control on each port. Max. framesize, power control
port status	Display per port speed link status, flow control status. Auto negotiation status, trunk status.
layer3 functions	IPv4 and IPv6 Unicast: static routing
VLAN	802.1Q Tagged based VLAN, up to 255 VLAN-groups, Q-in-Q, private VLAN
link aggregation	IEEE 802.3ad LACP / static trunk, supports 18 groups of 8-port trunks or static trunk
QoS	Traffic classification based, strict priority and WRR, 4-level priority for switching - Port number - 802.1p priority- DS/TOS field in IP paket
security	SSH, SSL, 802.1X RADIUS, port security, ACL with MAC, IP, multicast etc. User authentication with private key
multicast	IGMP v1/v2/v3 snooping, up to 1024 multicast groups, source-specific multicast, IGMP proxy
topology	STP, RSTP, MSTP

standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100BASE-FX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3x Flow control and back pressure IEEE 802.3ad Port trunk with LACP IEEE 802.1d Spanning tree protocol IEEE 802.1w Rapid spanning tree protocol IEEE 802.1s Multiple spanning tree protocol IEEE 802.1p Class ofservice IEEE 802.1Q VLAN tagging IEEE 802.1x Port authentication network control IEEE 802.1ab LLDP IEEE 802.az Energy Efficient Ethernet

Product variants

	RY-GSO25-28	

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