

## **RY-LGSO25-24**

19"-switch with 24 optical ports with management and DMS

- 19" L2/L3 Switch with 24 optical
- Copper ports: 4 x 10/100/1000Mbps/s
- with management, ring-capable, L3 functions, DMS
- Power supply 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-LGS025-24 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**

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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**

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#### **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.

**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

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### General properties

supply voltage	100-240VAC, 50-60Hz, and 48VDC, redundant supply possible
power consumption	Max. 30W
MTBF	25°C: 250'996h 60°C: 48'440h
operating temperature	-20°C to 60°C
dimensions	442 x 212 x 44mm (Width x Depth x Height)

### interfaces

copper ports	4 x 10/100/1000TX, RJ45, Combo
optical fibre ports	24 x 100/1000SFP We recommend the use of our barox SFPs. We do not test or guarantee the compatibility of our devices with SFPs of other manufacturers.



## network properties

backplane	48 GBit/s
MAC-table	32k
configuration	Console, Web GUI, SNMPv1, v2c and v3
PoE Management	
port settings	Port disable/enable. Auto-negotiation 10/100/1000Mbps. Flow Control disable/enable. Datenrate Kontrolle auf jedem Port. Max. Framesize, Power Control
port status	Anzeige pro Port: Geschwindigkeit Link Status, Flow Control Status. Auto negotiation status, trunk status.
layer3 functions	IPv4 und IPv6 Unicast: statisches Routing
VLAN	802.1Q Tagged based VLAN, up to 4k VLAN-IDs, Q-in-Q, private VLAN
link aggregation	IEEE 802.3ad LACP / static trunk, supports 26 groups of 4-port trunks or static trunk
QoS	Traffic classification basiert, strict priority and WRR, 4-level priority for switching - Port number - 802.1p priority- DS/TOS field in IP Packet
security	SSH, SSL, 802.1X RADIUS, port security, ACL with MAC, IP, Multicast etc. User authentication with private key
multicast	IGMP v1/v2 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 of service IEEE 802.1Q VLAN Tagging IEEE 802.1x Port Authentication Network Control IEEE 802.1ab LLDP



## Product variants

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