

## **RY-LGS23-26**

19"-switch with management, 24 ports and optical port uplink, DMS

- 19" Switch L2/L3
- Copper ports 24x10/100/1000TX
- Optical fibre ports: 2x100/1000Mbit/s (Combo)
- Managed, ring redundant, L3 functions
- Fanless
- Power supply 230VAC



Being developed for tasks with high data volume, this layer-2/3 switch is suitable for example for video over IP and video streaming in connection with multicast as well. With its extensive management possibilities, it is also suitable for complex network structures.

### **Video network special features**

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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.

### **DMS**

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#### **DMS (Data 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
power consumption	Max. 40W
MTBF	25°C: 438'942h 40°C: 290'562h 50°C: 218'778h
operating temperature	0°C up to 40°C
dimensions	19" x 1HE x 221mm (442 x 44 x 221mm)

### interfaces

copper ports	24 x 10/100/1000TX, RJ45
optical fibre ports	2 x 100/1000 SFP



## network properties

backplane	52GBit/s
MAC-table	8k
configuration	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.
port status	Display per port: speed link status, flow control 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 trunk 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 Packet
security	SSH v1 and v2, 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 groups multicast, 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 IEEE 802.az Energy Efficient Ethernet



## Product variants

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**RY-LGS23-26**

24 x 10/100/1000

2 x SFP 100/1000

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*Version 15.02.2023, Changes without notice*