

# RY-GSP22-26/370

19"-L2 Switch with management, 24 ports  
PoE+, DMS

- 19" Switch with PoE+ with DMS
- 370W PoE
- Copper ports: 24x10/100/1000TX with PoE+
- Optical fibre ports: 4x100/1000SFP
- with management, ring capable, layer 2, DMS
- Power supply 230VAC



Being developed for tasks with high data volume, this layer-2 switch is suitable for example for video over IP and video streaming in connection with multicast as well. IP-cameras are supplied by PoE through the data cable. With its extensive management possibilities, it is also suitable for complex network structures.

## Video network special features

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### 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.

### 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.

## More information

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Special features	PoE:PoE adjustable per port PoE can be activated time-delayed per port PoE per Port: Turn on and turn off can be adjusted by means of a time table Link status control, reboot in case of non-reply of PoE-sink
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## 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
power consumption	Max. 40W (without PoE) / 255W (with PoE 185W) / 450W (with PoE 370W)
MTBF	25°C: 352'063h 50°C: 129'960h
operating temperature	0°C up to 40°C
dimensions	442 x 211 x 44mm (BxTxH)



## interfaces

copper ports	24 x 10/100/1000TX, RJ45, thereof 24 with PoE+ 802.3af/at Maximum PoE for all ports: 370W
optical fibre ports	4 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.
console port	RS232, RJ45

## network properties

backplane	56GBit/s
MAC-table	8k
configuration	Console, Web GUI, SNMPv1, v2c und v3 (USM)
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.
VLAN	VLAN based on: 802.1Q Tagged, Port, Protocol, IP subnet, Privat (PVE), MAC Max. 4k VLANs Q-in-Q (double tag) private VLAN Voice VLAN GARP VLAN registration protocol (option)
link aggregation	IEEE 802.3ad LACP Static trunk
QoS	Supports 8 hardware queues Strict priority and weighted round-robin (WRR) Queue assignment based on DSCP and class of service
security	SSH v1 und v2 SSL encrypts the http traffic, allowing advanced secure access to the browser-based management GUI in the switch 802.1X RADIUS Port Security ACL mit MAC, IP, Multicast u.v.a.



multicast	IGMP v1/v2/v3 snooping, bis 1024 Multicast Gruppen, 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 802.3af/at Power over Ethernet IEEE 802.az Energy Efficient Ethernet



## Product variants

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**RY-GSP22-26/370**

Switch with 370W for PoE

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*Version 20.12.2022, Changes without notice*