



## RY-LGSP16-10

Switch 19" with WebSmart Management and 8 Ports with PoE+

- 19" Switch with PoE+
- Copper ports: 8x10/100/1000 with PoE+
- max. 130W for all ports
- Optical-fibre ports: 1xSFP 100/1000
- Websmart management, ring-capable, L3
  
- Fanless
- Supply voltage 230VAC



Being developed for tasks with high data volume, this video optimized 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. Its compact design and reduced number of ports make this switch ideal for smaller plants or as a remote unit in a larger network. With its extensive management possibilities, it is also suitable for complex network structures.

### Video network special features

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#### 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.

#### 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.



## Technical data

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### General properties

supply voltage	100-240VAC, 50-60Hz
power consumption	Max. 40W (without PoE) / 170W (with PoE)
operating temperature	0°C to 45°C
dimensions	220 x 243 x 44mm

### interfaces

copper ports	8 x 10/100/1000TX, with PoE+, RJ45 1 x 10/100/1000TX, RJ45 Maximum PoE: 130W
optical fibre ports	1 x 100/1000, SFP

### network properties

backplane	20Gbit/s
MAC-table	8k
configuration	Web GUI, SNMPv1, v2c, 3, no console port
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	Port based VLAN, Tagged based VLAN, up to 4096 VLANs, Q-in-Q, private VLAN
link aggregation	IEEE 802.3ad LACP / Static Trunk, 5 groups of 2-port trunks or static trunk
QoS	- up to 8 hardware queues  - Classification: Port based, 802.1p VLAN priority based, IPv4/IPv6 precedence / DSCP based, DiffSer, classification and re-marking  - Rate Limiting: Ingress policer, egress shaping and rate control, Per Port



security	SSH, SSL, 802.1X RADIUS, Port Security, ACL with MAC, IP, Multicast, Storm control etc.
multicast	IGMP v1/v2/v3 snooping, up to 1024 multicast groups, source-specificmMulticast, 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-GSP16-10**

New: 19" Mounting brackets included



Pair of brackets for the mounting of RY-GSP16-10 in a 19"-frame

*Version 09.10.2020, Changes without notice*