



RY-GSP17-10

- 19" switch with PoE
- Copper ports: 8 x 10/100/1000 with PoE+
- Max. 130W for all ports
- Fibre optic ports: 2 x SFP 100/1000
- WebSmart Management, ring-capable
- Fanless
- Power supply 230VAC

This video-optimised switch was developed specifically for applications with high data loads, such as video over IP and video streaming. PoE allows IP cameras to be powered via the data cable. Due to its reduced range of functions, the switch is particularly suitable for use in smaller systems.

Product information

Brief description

19" switch with WebSmart management and 8 ports with PoE +

Special Feature for Video Networks

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.

DMS

The RY-GSP17-10 does not have DMS.

System Notes

The switch does not have a routing function, even between VLANs. It is also not suitable for applications with multicast. In such cases, we recommend the devices from the 23, 28 and 38 series.

Technical data

Copper Ports	8 x 10/100/1000TX, with PoE+, RJ45 Maximum PoE power for all PoE ports: 130W
Fiber Ports	2 x 100/1000, 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.
Supply Voltage	100-240VAC, 50-60Hz
Power Consumption	Max. 10W (ohne PoE) / 150W (mit PoE)
MTBF	25°C: 589'202h 50°C: 248'902h
Operating temperature	0°C bis 50°C
Power Loss	65 BTU/h
Dimensions	220 x 242 x 44mm (BxTxH)
Weight	Gross weight: 2.6 kg Net weight: 2.1 kg
Backplane	20GBit/s
MAC Table	8k
Configuration	Web GUI, SNMPv1, v2c, 3, no console port
PoE Management	Port Configuration, port-by-port setting of PoE values. PoE Scheduling, supports PoE scheduling per port to switch PoE devices (PDs) on and off. Auto-checking, checks the connection status of the PDs. PD is restarted if it does not report. Power Delay, the individual ports can be started up with a time delay to prevent overload.
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	Display per port speed link status, flow control status. Auto negotiation status, trunk status.
Layer3 Functions	No layer 3 functions
VLAN	Port based VLAN Tagged based VLAN, IEEE802.1Q Protocol based VLAN

	IP subnet-based VLAN Private VLAN Edge (PVE) MAC-based VLAN Q-in-Q (double tag) VLAN Voice VLAN
Link Aggregation	IEEE 802.3ad LACP Static Trunk
QoS	Up to 8 Hardware Queues Classification: Port based, 802.1p VLAN priority based, 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/TACACS, authentication, authorization and accounting, MD5 ACL mit MAC, IP, Multicast, Storm control u.v.a. PVE provides L2 isolation between clients in the same VLAN. Supports multiple uplinks IP Source Guard DHCP Sourceguard Loop protection
Multicast	ATTENTION, the processor of this switch is not suitable for multicast applications in connection with video streams. In such cases, we recommend using the 23-, 28- and 38- series switches. However, the switch basically supports the following functions: IGMP v1/v2/v3 snooping, up to 1024 multicast groups, source-specific multicast, IGMP proxy.
Topology	STP, Standard Spanning Tree, IEEE802.1d RSTP, Rapid Spanning Tree, IEEE802.1w MSTP, Multiple Spanning Tree, IEEE802.1s
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 Rapidspanning tree protocol IEEE 802.1s Multiple spanning tree protocol IEEE 802.1p Classofservice 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