



RY-GSP23-26

19"-switch with management and 24 PoE +

- 19" Switch with PoE+
- Copper ports: 24x10/100/1000 with PoE+

- max. 200/370 for all ports
- Optical-fiber port: 4xSFP 100/1000 (Combo)

- Optical-fiber ports: 2xSFP1000
- with management, ring-capable
- Power supply 230 VAC



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. 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

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.

Further 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.



Technical data

General properties

| | |
|-----------------------|--|
| supply voltage | 100-240VAC, 50-60Hz |
| power consumption | Max. 40W (without PoE) / 255/407W (with PoE) |
| operating temperature | 0°C to 40°C |
| dimensions | 442 x 300 x 44mm |

interfaces

| | |
|---------------------|--|
| copper ports | 24 x 10/100/1000TX, 45RJ, PoE+ 802.3af/at Maximum PoE for all ports: 185W |
| optical fibre ports | 4 x SFP 100/1000 (Combo), 2 separate SFP uplink-Ports 1000BaseFX |

network properties

| | |
|------------------|---|
| backplane | 52Gbit/s |
| MAC-table | 8k |
| configuration | CLI console, Web GUI, SNMPv1, v2c and v3 |
| 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 | 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 trunks 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 paket |
| security | SSH v1 and v2, SSL, 802.1X RADIUS, port security, ACL with MAC, IP, multicast etc. |



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|-----------|---|
| multicast | IGMP v1/v2/v3 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 IEEE 802.3af/at Power over Ethernet IEEE 802.az Energy Efficient Ethernet |



Product variants



RY-GSP23-26

Switch with 185W for PoE

RY-GSP23-26/370

Switch with 370W for PoE

Version 13.11.2018, Changes without notice