

Switches made for Video



barox – an ISO 27001 certified company
and member of the alliance for cyber security

Your Advantages



Built-in Cyber Security

Active Increased Security

A private authentication key can be stored on the switch, enabling access to the switch management only from PCs and servers owning the correct key. Further Cyber Security features are MAC Locking, ACL list, TACAS+ Radius Server compatibility and Multiple User Control.



Advanced PoE

Active Monitoring of the Camera

Cameras fed via PoE are constantly monitored. In case of a camera failure, the switch restarts the camera automatically. If this fails the switch sends an alarm message via SNMP. Alert by email is possible.

Smart PoE Supply

The switch alerts via SNMP if a defective camera demands too much power from the switch.

Active PoE Power Management

When the switch is started, the individual PoE ports can be start delayed to prevent overloading of the PoE power supplies.



High Usability


Active Switch Integration into the Video Management Systems

Software modules exist for the widely spread video management systems Milestone, Siveillance™ Video, Advancis and MAKU allowing the direct implementation of the switch management and the DMS into these VMS.

Active Monitoring of the Video Network





Provides many useful network management functions on the basis of the Device Management System (DMS) therefore eliminating the need for separate network management services.

Industrial Media Converters and PoE-Injectors







		Ports TX	Ports PoE+	Ports PoE++	Ports SFP	Characteristics
PC-MC101-E PC-MC101-GE		1x10/100TX 1x10/100/1000TX	0 0	0 0	1x100FX or SFP 1x1000SFP	Very small size - 40°C to +75°C
PC-PMC102-E PC-HPMC102-E		2x10/100TX 2x10/100TX	2 0	0 1	1x100FX 1x100FX	Small size - 40°C to +75°C
PC-PMC101-GME		1x10/100/1000TX	1	0	1x100/1000SFP	Very small size
PC-PMC101-GE PC-HPMC101-GE PC-BTPMC101-GE PC-BTPMC101-10GE		1x10/100/1000TX 1x10/100/1000TX 1x10/100/1000TX 1x1G/10G TX	1 0 0 0	0 1x60W 1x90W* 1x90W*	1x100/1000SFP 1x100/1000SFP 1x100/1000SFP 1x1G/10G SFP/SFP+	Small size - 40°C to +75°C PoE++ 10G Ethernet
PD-BTPMC102M-GE		2x10/100/1000TX	0	2x90W* (max. 120W over both ports)	1x100/1000SFP	Small size - 40°C to +75°C managed
PC-INJ-30W PC-INJ-60W PC-INJ-95BT		1x10/100/1000TX 1x10/100/1000TX 1x10/100/1000TX	1 0 0	0 1x60W 1x90W*	0 0 0	Small size - 40°C to +75°C

*IEEE 802.3bt

Industrial Switches for Video

		Ports 10/100/1000TX	Ports PoE+	Ports PoE++	Ports 100/1000 SFP	Max. PoE-Power	Characteristics
PC-PIGE502-GBTE PC-PIGE502-GBTE-B PC-PIGE500-GBTE PC-PITE502-GBTE		5 5 5 4	4 4 4 0	0 0 0 4	2 2 0 2	120 W 120 W 120 W 240 W	Small size -40°C to +75° C B-type supply from 12VDC
LT-LPIGE-802GBTME LT-LPIGE-804GBTME		8 8	8 8	0 0	2 4	240 W 240 W	Small size -40°C to +75° C Layer 2/3 Management
RY-LPIGE-804GBTME RY-LPITE-804GBTME RY-LPITE-802GBTME		8 8 8	8 0 0	0 4 8	4 4 2	240 W 240 W 480 W	-40°C to +75° C Layer 2/3 Management DMS
LT-LPITE-402GBTME		4	0	4	2	360 W	Small size Layer 2/3 Management PoE up to 90W per Port, 802.3bt

19"- Switches for Video Networks

		Ports 10/100/ 1000TX	Ports PoE+	Ports PoE++	Ports 100/1000 SFP	Ports 10GSFP+	Max. PoE- Power	Characteristics
RY-GSP17-10		8	8	0	2	0	130 W	Fanless / DMS / Non-Stop-PoE
RY-LGSP23-10G		10	8	0	2	0	130 W	Fanless / DMS
RY-LGSP23-26		26	24	0	2	0	185 W	DMS
RY-LGSP23-26/370		26	24	0	2	0	370 W	
RY-LGSP23-28		24	24	0	0	4	185 W	4x10G SFP+ DMS
RY-LGSP23-28/370		24	24	0	0	4	370 W	
RY-LGSO25-28		4	0		24	4	0 W	4x10G SFP+ / DMS
RY-LGSO25-24		4	0		24	0	0 W	
RY-LGSPTR23-26		26	0	24	2	0	920 W	Redundant supply / 24xPoE++ / DMS

19"- Switches for video – 28 series of RY-L

Increased data throughput

The backplane performance of up to 176Gbit/s and the two to four 10G uplink ports allow full use of all ports also with powerful cameras.

User-friendly GUI

The improved user interface allows the management of the switches with significantly fewer clicks.

Non-Stop-PoE

The new Non-Stop-PoE powers cameras even during reboots of the switch without interruption. Thus the camera images immediately available again and you save valuable time






Increased Switch and Network Security

In addition to secure communication with the switch management, the actual data traffic can now also be monitored and restricted. The switch provides extensive filtering options for this purpose and gives the user the option of preventing undesirable and sometimes dangerous protocols and functions in the network.

High PoE power

The available PoE power of the switches takes the increasing performance hunger of new PoE cameras.

19"- Switches for video – 28 series of RY-L

		Ports 10/100/ 1000TX	Ports PoE+	Ports 1G/10G/ SFP/SFP+	Max. PoE- Power	Characteristics
RY-LGSP28-10		8	8	2	250 W	DMS / Non-Stop-PoE new GUI
RY-LGSP28-28		24	24	4	370 W	DMS / Non-Stop-PoE new GUI
RY-LGSP28-52		48	48	4	370 W	DMS / Non-Stop-PoE new GUI
RY-LGSP28-52/740		48	48	4	740 W	DMS / Non-Stop-PoE new GUI
RY-GSP17-10		48	48	4	920 W	Redundant power supply Non-Stop-PoE / DMS / new GUI

DMS, Device Management System



With the DMS, all devices in the network can be easily monitored and displayed. Some of the most important functions of the DMS are:

- Automatic representation of network topology and IP addresses
- Automatic detection device types, such as IP camera or server
- Plug-in for networking with Milestone VMS and Siemens Siveillance™ Video
- Firmware Update of up to 120 similar switches via DMS



For example, if a new camera is inserted into the network, it is recognised by the DMS and displayed along with its IP address. This eliminates the time-consuming task of determining the IP address of a new camera.

The DMS can measure and display the data traffic of a link over time. This function is very helpful for troubleshooting in the network.