

RPT-1006MGX-2XF-X6R | 6 Port Industrial 2.5G Switch with 10G Uplink



FEATURE HIGHLIGHTS

- 4-port 10/100/1000M/2.5G Base-TX RJ45 Port
- 2-port 100/1000M/2.5G/10G SFP+
- Redundant 12-48 VDC Power Input
- IP40 Rugged Metal Case
- DIN-Rail Mounting/Wall mounting
- Operating Temperature -10°C ~ 60°C

DESCRIPTION

RPT-1006MGX-2XF-X6R provides 4x 10/100/1000/2.5G TX Ethernet RJ-45 ports, 2x 100/1000/2.5G/10G SFP+ slots for your industrial applications. RPT-1006MGX-2XF-X6R also supports redundant 12~48VDC power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1006MGX-2XF-X6R is performing in harsh environment, standard operating temperature is -10 to 60 degree C.

For 10G SFP+ modules, you can choose from Sbjlink SFP selection guide with different distances. Please check <https://www.sbjlink.com/index.php>

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SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base TX Gigabit Ethernet
	IEEE 802.3z 1000Base-X Gigabit Fiber
	IEEE802.3bz 2.5Gbps
	IEEE802.3ae 10Gbps
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control
Switch Properties	
MAC Table Size	1K
Jumbo Frame	12K bytes
Switching Latency	<10μs
Backplane	60Gbps
Interface	
RJ45 Ports	4*10/100/1000M/2.5G Base-TX
Fiber Port	2*100/1000M/2.5G/10G SFP+
Wavelength	Depends on SFP modules
LED Indicators	P1 P2: Power 1 Power 2 status (Green)
	G1 G2: SFP port status (Green)
	Port 1-4 Upper: Data Transmission (Green)
	Port 1-4 Lower: 2.5G (Green), 1G (Orange), 10/100M or no data (Off)

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Power Requirements

Input Voltage	Dual 12-48VDC redundant, 4 pin terminal block
Overload Current Protection	Present
Reverse Polarity Protection	Present
System Power Consumption	Max. 10W

Mechanical Characteristics

Housing	Steel Metal, IP40 protection
Dimensions (W x H x D)	130 x 88 x 28 mm
Weight	450g
Mounting	DIN-Rail Mounting/wall mount optional

Environmental Limits

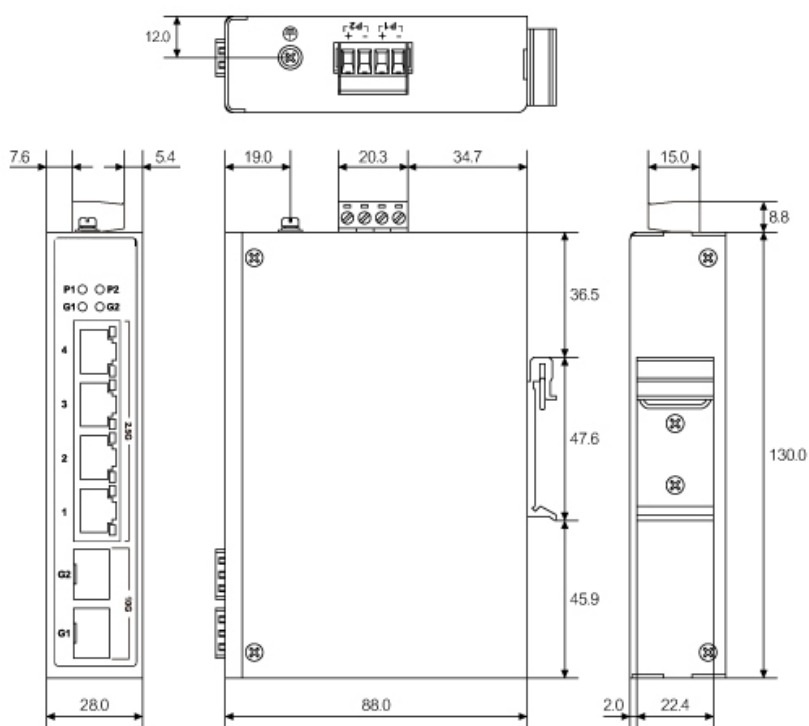
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	EN55022:2010+AC: 2011, Class A
EMS	CE EN55035/EN61000-6-2 Class A
	IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT)
	IEC61000-4-5 (Surge), IEC61000-4-6 (CS)
	IEC61000-4-8 (Magnetic Field)
Shock	IEC60068-2-27
Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Green	RoHS Compliant
MTBF	520,000 hours

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DIMENSIONS



單位 : mm

ORDERING INFORMATION

Model name	Description
RPT-1006MGX-2XF-X6R	4x 10/100/1000M/2.5G TX + 2x 100/1000M/2.5G/10G SPF+, 12-48VDC, -10~60°C