

RPT-1009MGXP-1F-T-X6V | 9 Port Industrial Unmanaged 2.5G PoE+ Switch



FEATURE HIGHLIGHTS

- 8-port 10/100/1000/2500 Base-T(X) Ethernet, comply with IEEE802.3af/at
- 1-port dual rate 1/2.5/10G uplink SFP+ slots
- Redundant Power Inputs, 48~57VDC
- IP30 Rugged Design; DIN-Rail mount
- Operating temperature range, -40°C ~ 75°C

DESCRIPTION

RPT-1009MGX-1F-T-X6V is an industrial switch with 8x 10/100/1000/2500Base-T RJ-45 ports and 1x 1/2.5/10G FX SFP+ slots. It was designed following industrial standards. IP30 protection, Dual power input12-48VDC and wide operating temperature -40 to 75 degree C is suitable for industrial applications.

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SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet
	IEEE 802.3z 1000Base-X Gigabit Fiber
	IEEE 802.3be 2.5GBase-T
	IEEE 802.3ae 10GBase-SR/LR
	IEEE 802.3x Flow Control
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switching Capacity	60Gbps
Memory Buffer	8.1Mbits
Jumbo Frame	12Kbytes
MAC Table Size	8K
Forwarding Rate	44.6Mpps @64 byte
Interface	
RJ45 Ports	8* 10/100/1000/2500Base-T(X) PoE port, IEEE802.3 af/at, auto-sensing, full/half duplex MDI/MDI-X self-adaption
Fiber Port	1* 1//2.5/10G uplink SFP+ slots
LED Indicators	Power/ System: SYS (Green), Network: Link (Yellow), Fiber port: L/A (Green)
Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters)
	100BASE-TX: Cat5 or later UTP(≤100 meters)
	1000BASE-T: Cat5e or later UTP(≤100 meters)
	2500BASE-T: Cat6A or later UTP(≤100 meters)
Optical Fiber Port	1/10G SFP+ optical fiber port, default no include optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: Wavelength: 850nm, transmission distance: 0-500m, 2.5/10G transmission distance: 0-300m Single-mode: Wavelength: 1310nm, transmission distance: 0-40km, Wavelength: 1550nm, transmission distance: 0-120km
Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters)
	100BASE-TX: Cat5 or later UTP(≤100 meters)
	1000BASE-T: Cat5e or later UTP(≤100 meters)
	2500BASE-T: Cat6A or later UTP(≤100 meters)

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Power Requirements

Input Voltage	48-57VDC redundant power input
Power Connection	1 removable 5 Pin industrial Phoenix terminal, support anti-reverse protection
Power Supply Pin	1/2(+) 3/6 (-)
Max Power Per Port	30W, IEEE 802.3 af/at
System Power Consumption	Standby <13W, Full load 802.3af<120, 802.3at<240W

Mechanical Characteristics

Housing	Aluminum , IP40 protection
Dimensions (W x H x D)	145 x 134.5 x 47 mm
Weight	0.8kg/shipping 1kg
Mounting	DIN-Rail Mounting, Desktop

Environmental Limits

Operating Temperature	-40°C ~ 75°C
Storage Temperature	-40°C ~ 85°C (-40°C ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15/CISPR22 (EN55022): Class B
EMS	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)
	IEC61000-4-9 (pulsed magnet field)
	IEC61000-4-10 (damped oscillation)
	IEC61000-4-12/18 (shockwave), IEC61000-4-16 (common-mode transmission)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS

ORDER INFORMATION

Model Name	10/100/1000/2500 Base-T, PoE Ports	1/2.5/10G SFP+	Operating Temperature	Power input
RPT-1009MGXP-1F-T-X6V	8	1	-40°C ~ 75°C	48-57VDC redundant