

RPT-1010MGX-2XF-X6EL | 10 Port Industrial 2.5G Switch with 10G Uplink



FEATURE HIGHLIGHTS

- 8-port 10/100/1000M/2.5G Base-TX RJ45 Port
- 2-port 1G/2.5G/10G SFP+
- Redundant 12-48 VDC Power Input
- Supports 802.3x Flow control
- 9K Bytes Jumbo Frame
- IP40 Rugged Aluminum Case
- DIN-Rail Mounting
- Operating Temperature -40°C ~ 65°C

DESCRIPTION

RPT-1010MGX-2XF-X6EL provides 8x 10/100/1000/2.5G TX Ethernet RJ-45 ports, 2x 1G/2.5G/10G SFP+ slots for your industrial applications. RPT-1010MGX-2XF-X6EL also supports redundant 12~48VDC power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1010MGX-2XF-X6EL is performing in extreme harsh environment, standard operating temperature is -40 to 65 degree.

For 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
	IEEE 802.3ae 10GBase over Fiber
	IEEE 802.3az Energy Efficient Ethernet (EEE)
	IEEE802.3bz 2.5Gbps
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Memory Buffer	2.75Mbits
MAC Table Size	4K
Jumbo Frame	9K Bytes
Transfer Rate	14,880pps for Ethernet port
	148,800pps for Fast Ethernet port
	1,488,000pps for Gigabit Ethernet port
Interface	
RJ45 Ports	8*10/100/1000M/2.5G Base-TX
Fiber Port	2*1G/2.5G/10G SFP+
Wavelength	Depends on SFP modules
LED Indicators	System: Power 1, Power 2, Fault
	Ethernet port: Link/Activity
	SFP: Link/Active

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Power Requirements	
Input Voltage	Dual 12-48VDC redundant power inputs
Overload Current Protection	Automatic Resettable
Reverse Polarity Protection	Present
System Power Consumption	Max. 5W
Mechanical Characteristics	
Housing	Aluminum, IP40 protection
Dimensions (W x H x D)	150 x 115 x 50 mm
Weight	0.6 kg
Mounting	DIN-Rail Mounting
Environmental Limits	
Operating Temperature	-40°C ~ 65°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	EN55022:2010+AC: 2011, Class A
	EN 61000-3-2: 2006+A1: 2009+A2: 2009
	EN 61000-3-3: 2013 , EN55024:2010
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)
Green	RoHS Compliant

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ORDERING INFORMATION

Model name	Description
RPT-1010MGX-2XF-X6EL	8x 10/100/1000M/2.5G TX + 2x 1G/2.5G/10G SPF+, 12-48VDC, -40~65°C