

RPT-M1010GP-T-X2 | 10 Port Industrial Unmanaged Gigabit PoE+ Switch



FEATURE HIGHLIGHTS

- 10x 10/100/1000T(x) M12 connector with IEEE 802.3at PoE+
- Support Bypass function
- IP40/IP54(Optional) housing
- EN50155, EN45545-2 railway certificates
- Compliant with ITxPT, E Mark for public transport
- Operating in wide temperature

DESCRIPTION

Sbjlink's RPT-M1010GP, featuring 10 x Gigabit ports, are all designed with M12 connectors for vehicle application. With relay bypass function supporting in 2 Giga uplink ports, this switch can achieve non-stop communication while no power exists.

The power input of RPT-M1010GP has redundant dual power inputs supporting 24-48VDC for most of the vehicles and high power input version, between 72V-110VDC. Operating temperature is extended between -40 degree C and 75 degree C. These are applicable on the vehicles and railway application.

To fit the on-board installation, the enclosure is slim and compact with IP40 and IP54 housing options. RPT-M1010GP series all have EN50155 and EN45545-2 certificates for railway and E Mark for bus application. ITxPT is also design compliant to increase the interoperability with IT network for public transport.

This switch is an unmanaged switch but capable to modify into a web smart switch that enable IEEE 802.3x and provide flow control function.

SPECIFICATIONS

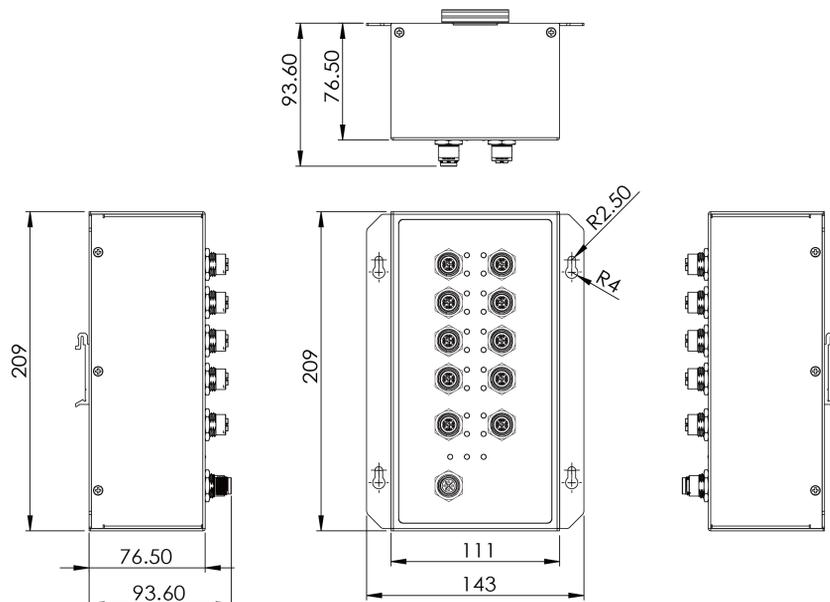
Technology	
Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3ab 1000BaseT
	IEEE 802.3f Power over Ethernet
	IEEE 802.3t PoE+
Processing Type	Store and Forward
Switch Properties	
Jumbo Frame	9216bytes
Priority Queues	-
MAC Table Size	16K
Packet Buffer	12Mbits
Interface	
Network Connector	10x 10/100/1000T(x) M12 Female X-coded 8-pole auto negotiation speed duplex mode, auto MDI/MDI-X
LED Indicators	Per unit: PWR1, PWR2, Status
	Ports: Link/Active
Power Requirements	
Operation Voltage	LV: 24-48VDC, HV: 72-110VDC, redundant dual inputs
Connection	M12 Male S-coded 4-pole
Power Consumption	15W w/o PDs
Protection	Overload Current Protected, Reverse Polarity Protected
Mechanical Construction	
Enclosure	SECC
Protection Class	IP40/IP54(Optional)
Dimensions	143x209x77 mm (WxHxD)
Weight	1.20 kg
Mounting	Wall Mounting Kits, Optional DIN-Rail Mounting
Environmental Limits	
Operating Temperature	Extended: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (Non-Condensing)

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Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A
	CE EN 55032 Class A
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)
Free Fall	IEC60068-2-32
Shock	IEC61373
Vibration	IEC61373
Green	RoHS Compliant
Certifications	EN 50155
	EN 45545-2
	ITxPT/E-Mark (Pending)
MTBF	>100,000 hours
Warranty	5 Years

DIMENSIONS (Unit: mm)



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Ordering Information	
<p>RPT-M1810GP-T-X2 (24VDC) RPT-M1010GP-LVDC-T-X2 (48VDC)</p>	<p>10 Port Industrial Unmanaged PoE+ Gigabit M12 Switch</p> <ul style="list-style-type: none"> - 8 x 10/100T(x) + 2 x 10/100/1000T(x) M12 connector - Power Input: 24-48VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP40
<p>RPT-M1810GP-2G-I54-T-X2 (24VDC) RPT-M1010GP-LVDC-I54-T-X2 (48VDC)</p>	<p>10 Port Industrial Unmanaged PoE+ Gigabit M12 Switch</p> <ul style="list-style-type: none"> - 8 x 10/100T(x) + 2 x 10/100/1000T(x) M12 connector - Power Input: 24-48VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP54
<p>RPT-M1010GP-HVDC-T-X2</p>	<p>10 Port Industrial Unmanaged PoE+ Gigabit M12 Switch</p> <ul style="list-style-type: none"> - 8 x 10/100T(x) + 2 x 10/100/1000T(x) M12 connector - Power Input: 72-110VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP40
<p>RPT-M1010GP-HVDC-I54-T-X2 (IP54)</p>	<p>10 Port Industrial Unmanaged PoE+ Gigabit M12 Switch</p> <ul style="list-style-type: none"> - 8 x 10/100T(x) + 2 x 10/100/1000T(x) M12 connector - Power Input: 72-110VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP54