



FEATURE HIGHLIGHTS

- 5x 10/100 TX Ethernet ports
- 4 port IEEE802.3at PoE+ and 1 port 100FX SC
- Super slim and compact size
- IP30 housing and din-rail mounting
- QoS priority queues for critical data
- Profinet Conformance Class A
- LLDP blocking for Profinet network

DESCRIPTION

RPT-1005P-FM-SC-T-X2 provides 5 fast Ethernet RJ-45 ports with additional 4 port IEEE 802.3at PoE and 1 fiber port in Multi mode or Single mode for your industrial applications. RPT-1005P-FM-SC-T-X2 is designed for users to install in the limited space and so its extra slim and compact size with IP30 metal rugged housing is often favored by the small cabinet and system enclosure. The 4 PoE ports provides 30 watt per port.

RPT-1005P-FM-SC-T-X2 also supports redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs failure, the other live source acts as a backup to provide the RPT-1005P-FM-SC-T-X2 power needs automatically.

RPT-1005P-FM-SC-T-X2 is suitable for Profinet network and LLDP function is handled correctly with the switch in accordance to Profinet Conformance Class A for real time data exchange. The profinet QoS is optional per customer request. CE/FCC is also certified and UL is compliant in design. The Non-PoE version in slim and compact housing is also available per your requests.

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3x Flow Control
PoE	IEEE 802.3af and IEEE 802.3at
Processing Type	Store and Forward
Switch Properties	
Switch Fabric	1 Gbps
Priority Queues	2
MAC Table Size	1K
Packet Buffer	448Kbits
Interface	
RJ45 Port	5x 10/100T(x) with 4x PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X
Fiber Port	1x 100FX in SC connector (Multi Mode: 2KM & Single Mode: 30KM)
POE Pin Out	V+ V+ V- V- for pin 1,2,3,6, Endspan, MDI Mode A
LED Indicators	Per unit: PWR1, PWR2
	Ports: Link/Active (Green)
	PoE: Output power
Power Requirements	
Operation Voltage	48V-57VDC, redundant dual inputs; >50VDC for PoE+ output recommended
Connection	1x removable 4-contact terminal block
Power Consumption	0.06A @48VDC without PD consumption
PoE Power Budget	Max.120W for total PD consumption Max. 30W per PoE port
Protection	Overload Current Protected, Reverse Polarity Protected
Mechanical Construction	
Enclosure	SECC Steel metal
Protection Class	IP30
Dimensions	27 x 105 x 95 mm (W x H x D)
Weight	0.51 kg
Mounting	DIN-Rail Mounting
Environmental Limits	
Operating Temperature	Extended: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (Non-Condensing)

SPECIFICATIONS

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	IEC60068-2-27
Vibration	IEC60068-2-6
Certification	IEC61000-6-2/IEC61000-6-4
Green	RoHS Compliant
MTBF	>100,000 hours
Warranty	5 Years

ORDERING INFORMATION

Model name	Description
RPT-1005P-FM-SC-T-X2	5 Port 10/100 TX Fast Ethernet POE Switch. SC Multi mode 2KM
RPT-1005P-FS-SC-T-X2	5 Port 10/100 TX Fast Ethernet POE Switch. SC Single mode 30KM

DIMENSIONS

Unit: mm

