



FEATURES

- 4* 10/100/1000 Base-TX PoE+ Port
- 1* 10/100/1000 Base-T RJ45 uplink
- Complies with IEEE802.3 af/at PoE+
- 44~57 VDC dual power input with polarity reserve/over-voltage protection
- Dip switch functions:
 1. Port isolation
 2. 250 meter long distance
 3. QoS
 4. PoE watchdog
- Support 10K Bytes Jumbo frame
- Support 4KV surge protection; ESD: Air-15KV, Contact-8KV Protection
- IP40 Din-rail Housing
- Operating temperature -40~75 degree C

DESCRIPTION

RPT-1005GP-T-X6OH has 4* 10/100/1000 base-TX RJ-45 ports comply with IEEE802.3 af/at PoE+ standard with 1* 10/100/1000 Base-T uplink for your industrial applications. It is designed to work in the industrial environment, compliant with CE and RoHS standards. RPT-1005GP-T-X6OH provides two redundant power inputs that can be connected simultaneously to 44~57 VDC power sources. In addition, the DIP switch on the top panel is featuring with port isolation, 250 meter long distance transmission, QoS and PoE watchdog function. The wide operating temperature -40 to 75 degree C supports the PoE switch can work in the industrial environment.

RPT-1005GP-T-X6OH | 5 Port Industrial Unmanaged Gigabit PoE+ Switch

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet
	IEEE 802.3af Power Over Ethernet
	IEEE 802.3at Power Over Ethernet

Interface

RJ-45 Ports	5* 10/100/1000Base-T: auto negotiation speed Port 1-4 PoE ports: 30Watts per Port Port 5: Uplink port (no PoE)
	Full/Half-duplex mode, and auto MDI/MDI-X connection

LED Indicators	PWR: Power indicator (Green: On/Off) On: Power On Off: Power Off
	SYS: PoE usage indicator (Red: Off/Blinking/On) On: PoE usage rated $\geq 90\%$ Off: PoE usage rated $< 50\%$ Blinking: PoE usage rated 50~90%
	Port 1-4 Copper ports (Green: On/Blinking/Off) On: Link On Blinking: Data transmitting Off: Link off
	(Yellow: PoE On/Off) On: PoE On Off: PoE Off
	Port 5 Copper port (Green: On/Blinking/Off) On: Link On Blinking: Data transmitting Off: Link off
	(Yellow: On/Off) On: Transmission speed 1000Mbps Off: Transmission speed 10/100Mbps

DIP switch	<ol style="list-style-type: none"> 1. Port Isolation (Port 1-Port4) 2. 250m long distance mode(Port 1-Port 2) 3. QoS (Port 1-Port 2) 4. PoE Watchdog
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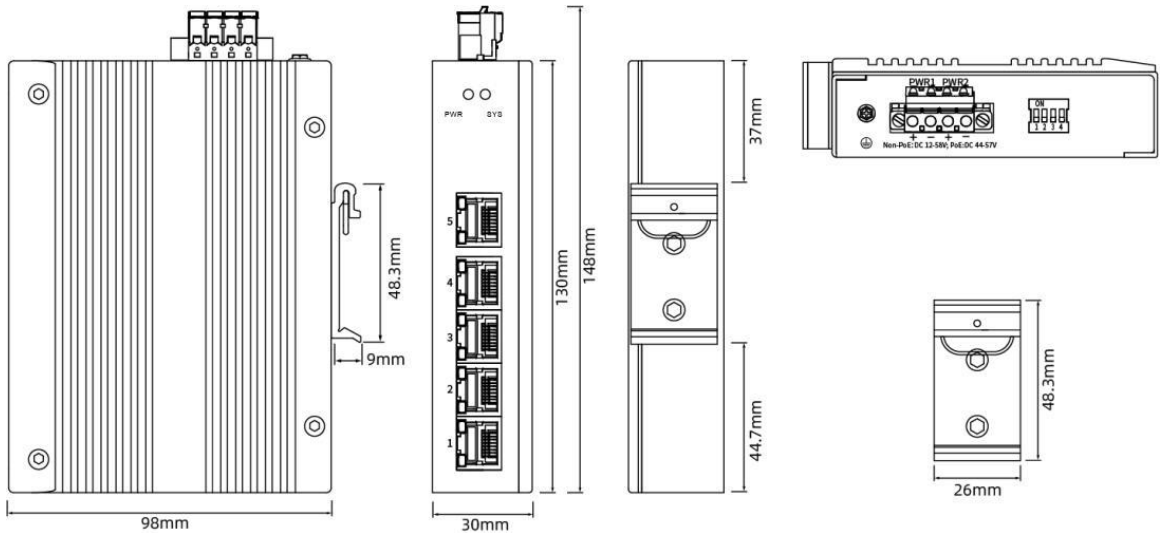
SPECIFICATIONS

Switching features	
Switching capacity	10G
Packet forwarding rate	14.8 Mpps
MAC address table	2K
VLAN	4K
Buffer	3M
Forwarding delay	<5us
Jumbo Frame	10Kbytes
Power	
Input	44~57 VDC, redundant power inputs
Consumption	Full loading without PoE ≤5W Full loading with PoE ≤120W
POE Budget	Max 120Watt at power input: 52~57VDC
Max current	3A
Connector	Removable 4-pin Terminal Block
Reverse Polarity Protection	Present
Over-voltage protection	Present
Environment	
Operating	-40°C ~ 75°C
Storage	-40°C ~ 85°C
Ambient Relative Humidity	5%~95% non-condensing
Physical	
Housing	IP40, Din-rail
Dimension (W*D*H)	30 * 98 * 130mm
Weight	0.55kg (0.63Kg with box)
Approval	
CE	EN 55032:2015+A1:2020
	EN 55035:2017+A11:2020
	EN IEC 61000-3-2:2019+A1:2021
	EN61000-3-3:2013+A2:2021+AC:2022-01
	EN IEC 62368-1:2020+A11:2020
Industrial Standard	IEC 61000-4-5
	Surge protection of power: Level 3 (4KV/2KV) (8/20us)
	Surge protection of Ethernet port: Level 3(4KV/2KV) (10/700us)
	DIP: IEC 61000-4-11 Level 3 (10V)
	ESD: IEC 61000-4-2 Level 4 (8K/15K)
Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Free Fall	IEC60068-2-32
RoHS	Compliant
Warranty	5 years

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DIMENSIONS

Unit: mm



ORDERING INFORMATION

Model name	Description
RRT-1005GP-T-X6OH	5-port 10/100/1000Base-T Industrial PoE+ 30Watt switch, 44-57VDC, redundant dual power supply, Din-rail, Operating temperature: -40°C ~ +75