

FEATURE HIGHLIGHTS



- 8x 10/100/1000 TX RJ45 Ethernet ports
- IP30 housing and din-rail mounting
- Wide operating temperature -40~75°C
- ESD protection 8KV
- 9K jumbo frames and QoS
- Designed for offshore environments
- DNV GL Marine Approval

DESCRIPTION

RPT-1008G-DNV-X3 provides 8 10/100/1000 Mbps through RJ-45 ports for your industrial applications. In addition to high speed transmission, RPT-1008G-DNV-X3 supports 9K jumbo frame to increase its throughput and QoS to ensure the delivery of critical data.

Equipped with IP30 metal case and designed for surge protection, power voltage drop alarm, and ESD protection, RPT-1008G-DNV-X3 provides a high level of immunity against electromagnetic interference and heavy electrical surges in industrial environments. It is also approved by EN60945 IACS E10, and so RPT-1008G-DNV-X3 guarantees a strong, stable connection of gigabit ethernet, as an ideal solution for offshore and marine environments.

SPECIFICATIONS

Standard	
IEEE 802.3	10BASE-T
IEEE 802.3u	100BASE-TX
IEEE 802.3ab	1000BASE-T
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3x	Flow Control
IEEE802.3az	Energy Efficient Ethernet (EEE)
IEEE802.1p	Quality of Service(QoS)
Interface	
Ports	8 x 10/100/1000BASE-T (RJ45)
Connectors	Terminal Block
DIP Switch	PWR, RPS, ALM, 1000, LNK/ACT
Features	
Performance	Throughput: 14,880 pps to 10 Mbps ports
	148,800 pps to 100 Mbps ports
	1,488,000 pps to 1000 Mbps ports
	Switch Fabric: 16Gbps
Power	
Primary/Redundant inputs	24VDC
Connection	Terminal Block
Power Consumption	5W (Max)
ESD protection	8KV / 15KV
Surge protection	3KV / 6KV (RJ45 Ports Line to ground)
Reverse Polarity	Present
Overload current	Present
Mechanical and Environment	
Housing	Aluminum, IP30 protection
Mounting	DIN-Rail
Operating Temperature	-40°C~75°C (-40°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	590 g (1.3 lb)
Dimension (WxHxD)	50 x 121.4 x 100 mm (1.97 x 4.78 x 3.94 in)

SPECIFICATIONS

Certification		
CE	EMI	FCC Part 15 Subpart B class A EN 55022 EN 55011
		EN 61000-6-4
	EMS	EN 55024
		EN 61000-6-2
		EN 61000-4-2 (ESD)
		EN 61000-4-3 (RS)
		EN 61000-4-4 (Burst)
		EN 61000-4-5 (Surge)
		EN 61000-4-6 (CS)
		EN 61000-4-8 (PFMF)
		EN 61000-4-11
Marine	DNVGL-CS-0339:2016 DNVGL-RU-SHIP-Pt4Ch9:2018 IEC-60945, IACS E10 (Rev.6 2014) LR certify environmental category ENV1, ENV2, and ENV3	
Shock	IEC 60068-2-27	
Freefall	IEC 60068-2-32	
Vibration	IEC 60068-2-6	

ORDERING INFORMATION

Model name	Description
RPT-1008G-DNV-X3	8 Port Industrial Unmanaged 10/100/1000TX Switch. -40~75°C DNV GL Marine Approval

DIMENSIONS

Unit: mm

