



FEATURE HIGHLIGHTS

- 5x 10/100/1000 TX RJ45 Ethernet ports
- Slim size mechanics
- IP30 housing and din-rail mounting
- Wide operating temperature -40~75°C
- ESD protection 8KV
- Designed for offshore environments
- DNV GL Marine Approval

DESCRIPTION

RPT-1005G-DNV-X3 provides 5 10/100/1000 Mbps gigabit through RJ-45 ports for your industrial applications. RPT-1005G-DNV-X3 is designed for users to install in the limited space and so its extra slim and compact size is often favored by the small cabinet and system enclosure.

With IP30 metal case, surge protection, power voltage drop alarm, and ESD protection, RPT-1005G-DNV-X3 provides a high level of immunity against electromagnetic interference and heavy electrical surges in industrial environments. Approved by EN60945 IACS E10, RPT-1005G-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
Interface	
Ports	5 x 10/100/1000BASE-T (RJ45)
LED Panel	PWR, 1000, 10/100
Features	
Performance	Jumbo Frame Size: 9K
	MAC Table size: 2K
	Throughput: 14,880 pps to 10 Mbps ports
	148,800 pps to 100 Mbps ports
	Switch Fabric: 10Gbps
Power	
Input Voltage	9~48VDC
Connection	Terminal block
Power Consumption	4W (Max)
Surge Protection	6KV
ESD Protection	8KV
Mechanical and Environment	
Housing	Aluminum (IP30 Protection)
Mounting	DIN-Rail, Wall Mount
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	160 g (0.35 lb)
Dimension (WxHxD)	23.4 x 109.2 x 73.8 mm (0.9 x 4.3 x 2.9 in)

SPECIFICATIONS

Certification	
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) : Level 3
	EN 61000-4-3 (RS) : Level 3
	EN 61000-4-4 (Burst) : Level 3
	EN 61000-4-5 (Surge) : Level 2
	EN 61000-4-6 (CS) : Level 3
EN 61000-4-8 (PFMF)	
Marine	DNVGL-CS-0339:2016
	DNVGL-RU-SHIP-Pt4Ch9:2018 IEC-60945, IACS E10 (Rev.6 2014)
Shock Test	IEC 60068-2-27
Freefall Test	IEC 60068-2-32
Vibration	IEC 60068-2-6

ORDERING INFORMATION

Model name	Description
RPT-1005G-DNV-X3	5 Port Industrial Unmanaged 10/100/1000 TX Switch. -40~75°C DNV GL Marine Approval

DIMENSIONS

Unit: mm

