



## FEATURE HIGHLIGHTS

- 8x Gigabit Ethernet ports with 8 PoE+ ports
- 4x 1000F(x) SFP Slot
- RSTP, MSTP, ERPS, MRP, LACP for Network Redundancy
- IGMP Snooping v1/v2/v3; SNMP v1/v2c/v3
- USB storage for configuration-free replacement
- Wide Operating Temperature; -40~75 degree C
- IP30 Aluminum housing
- DNV GL Marine Approval

## DESCRIPTION

RPT-2012GP-4F-DNV has 8 10/100/1000 TX Ethernet ports with 8 POE ports and 4 gigabit SFP ports for your industrial applications. It is designed with harden components in a rugged housing to work in the industrial environment between -40 and 75 degree C and has excellent tolerance capability to shock and vibration.

RPT-2012GP-4F-DNV has complete L2 managed software features that provide superior security software feature sets, ie TACACS+, SSH and network redundancy such as RSTP, MSTP, G.8032 ERPSv2. The switch also support port based VLAN and IEEE802.3Q VLAN. Its GARP/GVRP feature provides control of increased VLAN when network expands.

RPT-2012GP-4F-DNV also provides 8 port power over ethernet (PoE) function. It supports output 30W per port as power sourcing equipment (PSE) and has maximum 240W output in total for power device (PD).

RPT-2012GP-4F-DNV is a certified by DNV GL and the robust surge and ESD protection secure the communication for your application in offshore and marine environment.

## SPECIFICATIONS

<b>Standard</b>	
IEEE 802.3	10BASE-T
IEEE 802.3u	100BASE-TX
IEEE 802.3ab	1000BASE-T
IEEE 802.3z	1000BASE-SX/LX
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3x	Flow Control
IEEE 802.3ad	Link Aggregation
IEEE 802.3af	Power over Ethernet
IEEE 802.3at	Power over Ethernet Plus
IEEE 802.3az	Energy Efficient Ethernet (EEE)
IEEE 802.1AB	LLDP
IEEE 802.1ad	QinQ
IEEE 802.1D	STP
IEEE 802.1w	RSTP
IEEE 802.1s	MSTP
IEEE 802.1p	Class of Service
IEEE 802.1Q	VLAN Tagging
IEEE 802.1X	Port Authentication
IEEE 1588v2	PTP
<b>Interface</b>	
Ports	8 x 10/100/1000BASE-T (PoE RJ45)
	4 x GbE SFP Slots
	1 x RJ45 Console Port
	1 x USB Port
DIP Switch	Primary/Redundant Power Voltage Drop Alarm setting
LED Panel	PWR, RPS, ALM, POST, PoE, 1000, LNK/ACT
<b>Features</b>	
Performance	Jumbo frame Size: 10KBytes
	MAC Table Entries: 16K
	Active VLAN: 4K    Switch Fabric: 24Gbps L2 Forwarding Rate: 17.9Mpps
Management	CLI, Telnet/SSH, HTTP/HTTPS, SNMP v1/v2c/v3, RMON, SNMP Trap, MVLAN, Firmware Upgradable, Configuration Backup/Restore, Syslog, SNTIP, LLDP, UDLD, DHCP Client, DHCP Option 82, e-mail Alarm, Service Control, DDM
Reliability	STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy
VLAN	IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, QinQ
Traffic Control	IGMP snooping/Throttling/Proxy, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Port Isolation, Loop Detection

## SPECIFICATIONS

### Features

Security	ACL, SSH, Port Security, Port-based 802.1x, MAC-based 802.1x, TACACS+, MAC limit, MAC Search, Refusal MAC, Static MAC, DHCP Snooping, DHCP Sever Screening, ARP Inspection, BPDU Guard/Filter, Root Guard, Management Host
PoE/PoE+	Scheduling, PD Alive Check, PoE Power On/OFF,

### Power

Input Voltage	Primary inputs: 24VDC ; Redundant inputs: 24VDC
Connection	Terminal block
Power Consumption	System: 18W
Alarm Relay	PoE Power Budget: 124W@24VDC; 240W@48VDC One relay output, 1 A @ 24V DC

### Mechanical and Environment

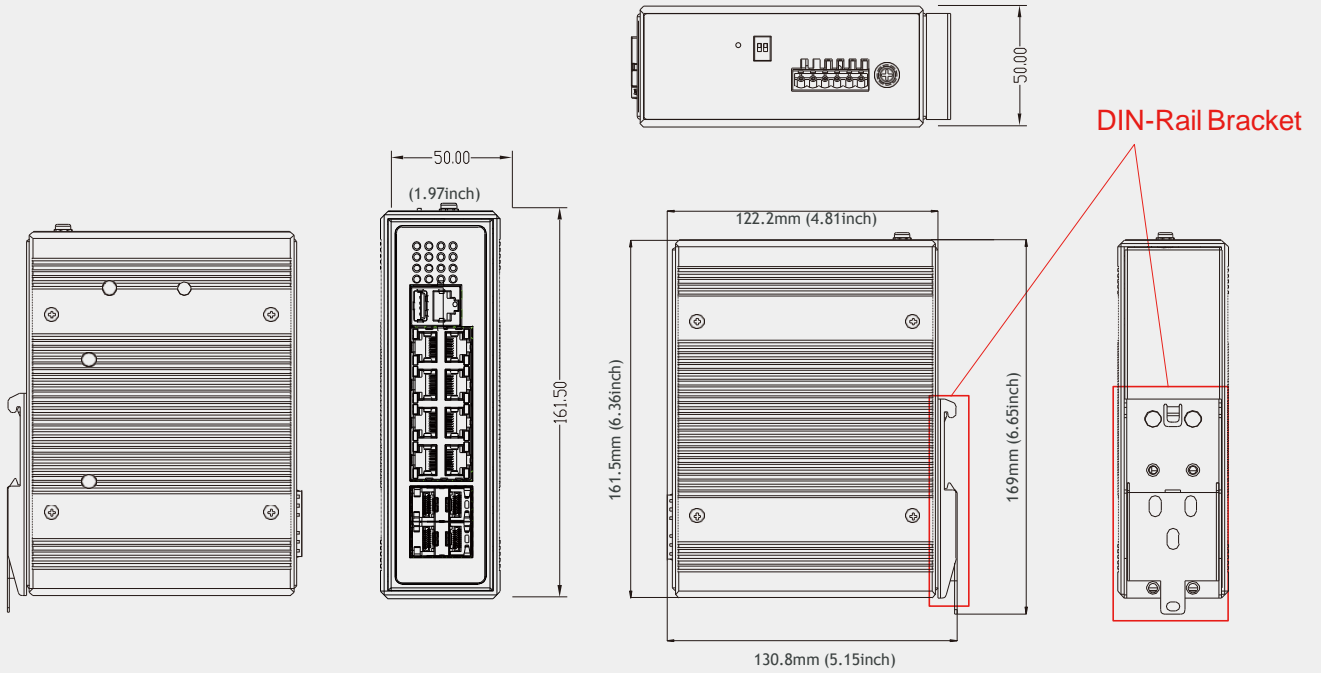
Housing	Aluminum (IP30 Protection)
Mounting	DIN-Rail
Operating Temperature	-40°C~75°C (-40°F~167°F) 70°C DNV.GL Certified
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	955 g (2.1 lb)
Dimension (WxHxD)	50 x 160 x 120 mm (1.97 x 6.3 x 4.72 in)

### Certifications

EMI	FCC Part 15 Subpart B Class A
	EN 55022 : class A
	EN 55011 : 2009 class A
	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)
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

**DIMENSIONS**

Unit: mm



**Order Information**

Model Name	Software	10/100/1000 TX	Giga SFP	
RPT-2012G-4F-DNV-X3	L2	8 Non-PoE	4	12-60VDC redundant; DNV GL Approval
RPT-2012GP-4F-DNV-X3	L2	8 POE 30W/ea	4	24-57VDC redundant; DNV GL Approval