



## FEATURE HIGHLIGHTS

- 8x 10/100TX Ethernet ports
- 2 100FX/Gigabit SFP Slots
- RSTP, MSTP, ERPS, MRP, LACP for Network Redundancy
- IGMP Snooping v1/v2/v3
- SNMP v1/v2/v3 for network management
- Wide Operating Temperature; -40~75 degree C
- IP30 Aluminum housing
- DNV GL Marine Approval

## DESCRIPTION

RPT-2010G-2F-DNV has 8 10/100 TX RJ45 Ethernet ports and 2 100FX/Gigabit SFP slots for your industrial applications. It is designed with hardened 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-2010G-2F-DNV has complete L2 managed software features that provide superior security software feature sets, ie TACACS+, SSH and network redundancy such as RSTP, MSTP, and 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-2010G-2F-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

Standard	
IEEE 802.3	10BASE-T
IEEE 802.3u	100BASE-TX
IEEE 802.3u	100BASE-FX
IEEE 802.3z	1000BASE-SX/LX
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3x	Flow Control
IEEE 802.3ad	Link Aggregation
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
Interface	
Ports	8 x 10/100BASE-TX (RJ45) 2 x 100FX/GbE SFP Slots 1 x RJ45 Console Port
DIP Switch	Primary/Redundant Power Voltage Drop Alarm setting
LED Panel	PWR, RPS, ALM, POST, 1000, LASER ON, SFP, 10/100, LNK/ACT, OFF LINE
Features	
Performance	Jumbo frame Size: 10KBytes MAC Table Entries: 16K Active VLAN: 4K Switch Fabric: 5.6Gbps L2 Forwarding Rate: 4.1Mpps
Management	CLI, Telnet/SSH, HTTP/HTTPS, SNMP v1/v2c/v3, SNMP Trap, MVLAN, Firmware Upgradable, Configuration Backup/Restore, Syslog, SNTP, PTP, LLDP, UDLD, DHCP Client/Relay/Option82, e-mail Alarm, Server Control, Mirroring, DDM, SFP Info, Auto-Provisioning, RMON Statistics, ModbusTCP
Reliability	STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Static Trunk, 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, IGMP Proxy/Filter, MLD, MVR, QoS, Flow Control, Rate Limit, Storm Control, Traffic Monitor, Port Isolation, Loop Detection, Static Route
Security	ACL, SSH, HTTPS, SNMPv3, Port-based 802.1x, TACACS+, Port Security, MAC Search, Refusal MAC, Sticky MAC, Static MAC, DHCP Snooping, DHCP Sever Screening, ARP Inspection, BPDU Guard/Filter, Root Guard, Managed Host

## SPECIFICATIONS

### Power

Input Voltage	Primary inputs: 12~60VDC Redundant inputs: 12~60VDC
Connection	Terminal Block
Power Consumption	System: 12W
Alarm Relay	One relay output, 1 A @ 24V DC

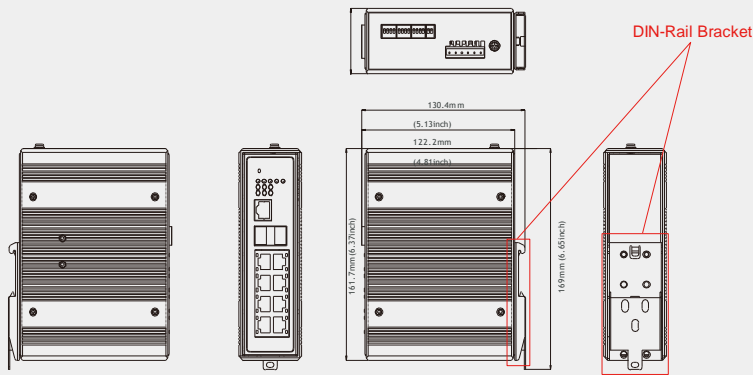
### Mechanical and Environment

Housing	Aluminum (IP30 Protection)
Mounting	DIN-Rail
Operating Temperature	-40°C~75°C (-40°F~167°F)
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	780 g (1.7 lb)
Dimension (WxHxD)	50 x 161.7 x 122.2 mm (1.97 x 6.36 x 4.81 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)
Marine	EN 61000-4-8 (PFMF)
	DNVGL-CS-0339:2016 DNVGL-RU-SHIP-Pt4Ch9:2018 IEC-60945, IACS E10 (Rev.6 2014)
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

**DIMENSIONS** Unit: mm



**Ordering Information**

Model Name	Software	10/100 TX	100FX/Giga SFP	
RPT-2010G-2F-DNV-X3	L2	8	2	12-60VDC redundant. DNV GL Marine Approval