

RC-CP9

1FX/TP + 9Port Giga Management Switch

RC-CP9 is probably the most compact managed 9 port Gigabit Ethernet layer 2/3 switch to be found in the market! Yet loaded with a number of powerful features.

With its small footprint, discreet but yet modern design it is constructed and aimed with the modern endusers home in mind. The product can due to its size easily be fitted either into a media cabinet or directly on the wall when used together with the integrated fiberhandling module. When both advanced technical functions and design matters, then this is the right product for any FTTH-network owner!

With the flexibility in mind this switch can be equipped with either a fiber or a copper WAN interface and as an option a sophisticated CATV module.

The powerful 416 MHz CPU ensures that the unit is capable of handling both today's and tomorrow's demanding management needs. The unit supports remote management by several different means for example Web/http, SNMP, Telnet CLI, DHCP Auto provisioning and TR-069 as optional choice.



KEY FEATURES

SWITCH

- > 1 x Fiber port with TwinRate function TM, 100/1000 Mb/s automatically selected
- > WAN port: Fixed 1x9, SFP-slot or TP port
- > 8 x RJ-45 customer LAN ports, 10/100/1000 Mb/s
- > 1 x RJ-45 LAN port, placed in "hidden position", for Telemetry services 10/100/1000 Mb/s
- > IEEE802.1q tag-based VLAN, supports up to 256 active VLANs
- > 8 QoS queues per port with strict or deficit-weighted round robin scheduling
- > IEEE 802.3az Energy Efficient Ethernet (EEE) function, max 5 W at full load
- > Full IPv6 support, both for Management and Traffic

- > Full Multicast support, both IGMPv2/v3 and MLDv1/v2
- > SNMP (v1, v2c and v3 agent)
- > Auto Provisioning (DHCP/FTTP) and firmware upgrade and text based configuration file (HTTP/TFTP)

CATV RECEIVER MODULE

- > Automatic Gain Control, AGC
- > Bandwidth 47 MHz-1 GHz
- > Excellent sensitivity and linearity
- > Low power consumption
- > LED for correct OPT-IN signal level (-9 to -3 dBmW)

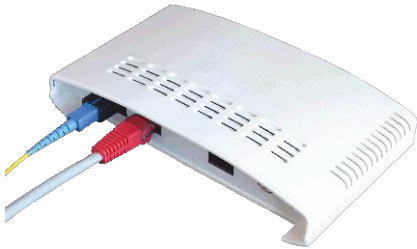
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Raycore Fiber Optic Solutions offers complete FTTH solutions and high quality fiber optic components to provide a scalable network design as well as securing a future proof FTTH installation.

OPTICAL INTERFACE SPECIFICATION

- > Transceiver type: GbE Bidi/WDM 1X9 with Twin-Rate™ (SC connector) or SFP-slot
- > Wavelength Single-mode: 1310Tx/1550Rx, 20km (other fiber types, wavelengths and distances on request)
- > Supports 100 Mb/s and 1 Gb/s speed (Twin-Rate™)



Switch with fiber and TM port engaged

FIBER MANAGEMENT SPECIFICATION

- > Easy to install on the wall
- > Firmly holds the converter in place to avoid accidental removal and to protect fiber access
- > Several fiber inlets (7 and 5 mm diam)
- > Space for extensive fiber coiling, up to 3 meters
- > Dimensions: 142mm x 163mm x 39mm (LxWxH)



CATV module

NETWORK INTERFACES AND MODELS

Interfaces & specifications				Fixed 1x9			SFP-slot			TP port
Interfaces	Port(s)	Specification	RC-CPT09FZ	RC-CPT09FC	RC-CPT09FX	RC-CPT09SZ	RC-CPT09SC	RC-CPT09SX	RC-CPT09TP	
Opera-tor side	WAN Fiber	SFP-slot	-	-	-	•	•	•	-	
		1 x FX (1x9 SC/PC)	•	•	•	-	-	-	-	
	WAN TP	1 x TP (1xRJ45)	-	-	-	-	-	-	•	
	TM-port*	1 x TP (1xRJ45)	•	•	•	•	•	•	•	
CATV in	1 x FX (1x9 SC/APC)	1260 to 1620nm -9 to -3 dBmW	-	•	•**	-	•	•**	-	
Custo-mer side	LAN	8 x TP (1xRJ45)	•	•	•	•	•	•	•	
	CATV out	1 x F-Connector	-	•	•**	-	•	•**	-	

* TM refers to Telemetry, e.g. surveillance, alarm and measuring
 ** only with CATV module installed

HARDWARE SPECIFICATIONS

Feature	Detailed Description
Voltage	AC/DC 12V with external power adaptor
Power Consumption	< 5.5W
Operation Temperature	0 to 40 C
Operation Humidity	10% to 90%
Storage Temperature	-20 to 55 C
Storage Humidity	5% to 95%
Dimensions	Without Fiber Tray 93mm x 163mm x 32mm (LxWxH) With Fiber Management Tray 142mm x 163mm x 39mm (LxWxH)
Reset Button	Reset IP and load factory default
Safety	Comply with CE Class B

GENERAL INFORMATION

Name	Description
RC-CP9FZ	Managed, 9PORT 10/100/1000 Mb/s L2/L3 Switch and Twin-Rate™ 1X9 module WDM TRx 1310Tx/1550Rx up to 20km (as standard WAN interface)
RC-CP9FC	Managed, 9PORT 10/100/1000 Mb/s L2/L3 Switch with CATV drop cable and module, Twin-Rate™ 1X9 module WDM TRx 1310Tx/1550Rx up to 20km
RC-CP9FX	Managed, 9PORT 10/100/1000 Mb/s L2/L3 Switch with CATV drop cable and Twin-Rate™ 1X9 module WDM TRx 1310Tx/1550Rx up to 20km
RC-CP9SZ	Managed, 9PORT 10/100/1000 Mb/s L2/L3 Switch and Twin-Rate™ with SFP-slot
RC-CP9SC	Managed, 9PORT 10/100/1000 Mb/s L2/L3 Switch with CATV drop cable and module, Twin-Rate™ with SFP-slot
RC-CP9SX	Managed, 9PORT 10/100/1000 Mb/s L2/L3 Switch with CATV drop cable and Twin-Rate™ with SFP-slot
RC-CP9TP	Managed, 9PORT 10/100/1000 Mb/s L2/L3 Switch with 10/100/1000 Mb/s TP WAN interface