

EQC3-CHASSIS

In-Band Management

18 Slot Media Converter Chassis Center



DESCRIPTION

The EQC3-CHASSIS from PCT is an 18-slot, 19-inch rack mountable IEEE 802.3ah in-band SNMP based management chassis. The chassis is fully compliant with IEEE 802.3 and 802.3u standards suitable for local area network technologies with wide area network applications. The local slide-in converter modules are hot-swappable.

The EQC3-CHASSIS utilizes proprietary in-band SNMP management function including local management and remote management functions:

- Remote loop back test and diagnostic to easily identify cable and remote device status
- Remote power down trap function
- Optical power status with DMI SFP modules
- RMON monitor provides network administrators with comprehensive network fault diagnosis, planning, and performance tuning information

Additionally, the EQC3-CHASSIS platform offers more innovative features like chassis stacking which allows up to four EQC3-CHASSIS to be managed under one IP address.

The 100M or 1000M switch converter module for the EQC3-CHASSIS supports advanced features essential to any FTTx applications such as:

- Application QoS
- Q-in-Q VLAN tunneling
- Bandwidth control

Fully compliant with IEEE802.3 and 802.3u standards. The ease of installation, operation and management options such as the standard SNMP or the web based GUI makes the EQC3-CHASSIS the logical choice for network administrators.



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Hardware Features

Supports:

- 18 hot swappable converter modules
- 2 hot swappable power modules, including AC 100 to 240 V and DC 48 V
- Hot swappable management module
- Hot swappable cooling fan
- 2 management interfaces: RS232 and Fast Ethernet with auto MDI / MDIX
- SFP format

System and Module Management Features

- Complies with IEEE 802.3ah FTTx network management standard
- Chassis power module and fan monitor
- Full wire speed in-band diagnostic (loop back test)
- One time system and module upgrade
- Auto backup under FTP / TFTP
- Supports SNTP time server
- Local port management function
 - Module control - auto / speed / duplex
 - Enhanced control - flow control / rate limit / broadcast storm
 - Monitor - model / media / link / speed / duplex / activity
 - Enhanced monitor - traffic counter
 - Specification - fiber type / wave length / distance
 - Redundant configuration
- Remote port management function
 - Module control - auto / speed / duplex
 - Monitor - model / link / speed / duplex / auto / flow control / power
- Management interface supports console / telnet / SNMP / WEB
- 4 levels of user account management
- Supports IP security
- Supports radius authentication
- SNMP agent supports MIB II interface (RFC 1213 / 1573) / private MIB (CHASSIS2) / RMON MIB (RFC 1757)
- SNMP trap supports warm / cold start / authentication fail / power and fan fail / local module link up / down / local power module down / remote power down / remote module TP link up / down

Specifications

Parameters	Unit	EQC3-CHASSIS
Management		
Protocol	--	SNMP, console, WEB
Interface	--	DB-9 (DTE) and RJ-45 (10/100BASE-TX)
Interface & Port Number		
Number of Module Slot	--	18 ea. EQC3-XXXX series slot
Number of Power Slot	--	2 ea. EQC3-Chassis power slot for AC or DC
LED		
Type	--	Power A, Power B, LAN, COM, M/S
Power		
AC	V, Hz, A	100 to 240, 50 / 60, 4.0 to 2.0
DC	VDC	48
Without Module	W	7
Fully Loaded (18 Modules)	W	120 max
Typical Operation & Storage Temperature		
Operation	°C (°F)	0 to 50 (32 to 122)
Storage	°C (°F)	-20 to 60 (-4 to 140)
Humidity	%	5 to 90, non-condensing
Dimensions & Weight (W x D x H)		
Chassis	mm (in)	440 x 395 x 88 (17.32 x 15.55 x 3.46)
AC / DC Power	mm (in)	180 x 160 x 50 (7.09 x 6.30 x 1.97)
EQC3-XXXX Module	mm (in)	119 x 86 x 25 (4.69 x 3.39 x 0.98)
Net Weight		
EQC3-CHASSIS	kg (lb)	8.0 (17.6)
EQC3-CHASSIS AC / DC	kg (lb)	1 (2.2)
Shipping Weight		
EQC3-CHASSIS	kg (lb)	10 (22.0)
EQC3-CHASSIS AC / DC	kg (lb)	1.5 (3.3)
Emission / Safety		
Compliance	--	FCC Class A, CE ¹
Supporting Module		
10/100 Mbps	--	10/100BASE-TX to 100BASE (SFP slot)
10/100/1000 Mbps	--	10/100/1000BASE-TX to 1000BASE (SFP slot)

Notes: 1. For further reports, please contact PCT.

Ordering Information

Chassis

EQC3-CHASSIS	Managed Converter Chassis with Slide-In Power Supply, 18 Slots
EQC3-CHASSIS AC	AC Slide-In Power, EQC3-Chassis
EQC3-CHASSIS DC	DC Slide-In Power, EQC3-Chassis

Media Converter Modules

EQC3-M2SFP	10/100BASE-TX to 100BASE-SFP Slot (Local Unit)
EQC3-M3SFP	10/100/1000BASE-TX to 1000BASE-SFP Slot (Local Unit)
EQC3-R2SFP	10/100BASE-TX to 100BASE-SFP Slot (Remote Unit)
EQC3-R3SFP	10/100/1000BASE-TX to 1000BASE-SFP Slot (Remote Unit)

