

ROC3 Managed Optical Communications Platform



ROC3 is an extremely versatile managed platform for optical transport. Platform provides a high density optical fiber solution that includes optical regeneration and transport, amplification, protection and multiplexing, as well as a wide variety of tools for monitoring and analyzing optical performance. The ROC3 features rich management features via web, SNMP, telnet, SSH, local console and local LCD panel.

The ROC3 is structured around 3 main chassis, all 19" mountable and covering 1RU, 2RU and 4RU of rack space. All chassis are driven by same management NMU unit and support redundant AC and DC powering and removable ventilation fan trays. Chassis capacity runs from 4 slots for 1RU to 16 slots for the 4RU, and available cards cover various multi speed transponders(1G to 100G), DWDM and CWDM mux/demuxes and OADM, EDFA and DCM modules, Optical protection and Optical switching, OPM and OLS units, Variable Optical Attenuators, TMUX cards, and more.

Main ROC3 Architecture Traits

- **Pluggable design:** all cards are hot swappable and hot pluggable (complete redundancy)
- **High integration:** high density solutions with up to 4 optical cards per 1RU of space
- **Flexible applications:** versatile platform allowing a myriad of card combinations for complex applications
- **Carrier-class network management:** powerful network management options for complete control

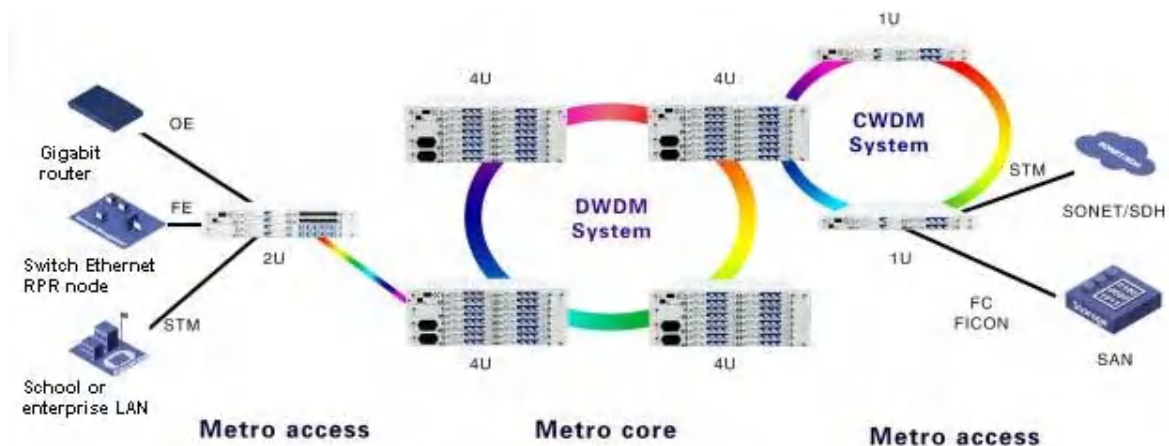
Features

- Modular design, flexible CWDM/DWDM options, protection and monitoring
- Strong configuration, performance, monitoring and management tools
- 4RU chassis allows 16 function cards for complex WDM/OADM/EDFA/OEO applications
- Web based GUI user interface management for easy installation/configuration process.
- Supports SNMP, web, telnet and SSH remote management.

Specifications

Parameters	Unit			
Chassis Type		ROC3-CH04	ROC3-CH08	ROC3-CH16
Chassis Slots		2 power card slot; 1 NMU card slot; 1 fan card slot; 4 function card slot;	2 power card slot; 1 NMU card slot; 1 fan card slot; 8 function card slot;	2 power card slot; 1 NMU card slot; 1 fan card slot; 16 function card slot;
Chassis Size (WxDxH)	mm	482.6×300×44	482.6×300×89	482.6×300×178
Maximal Device Power	W	100	200	300
Device Weight	Kgs	6	8	12
Power Supply		Redundant power: DC 36V~72V or AC 100V~240V		
Fan Type		Plug-in module		
Operating Temperature	°C	-5 ~ +55		
Storage Temperature	°C	- 20~ +70		
Relative Humidity		5% ~ 95% (non-condensing)		

Application



Ordering Information: ROC3-CHXX-YY

XX	YY	
Chassis Type	Power Supply Mode	Obs.
04: 482.6×300×44 mm (4 slots) 08: 482.6×300×89 mm (8 slots) 16: 482.6×300×178 mm (16 slots)	(fan tray included in all chassis versions) DC: DC power AC: AC power AA: Dual AC power DD: Dual DC power AD: AC and DC power	NMC management card is included with any of the 3 types of ROC3 chassis