

ROC3-10G-3R

4x 10G Channel Transponder Card



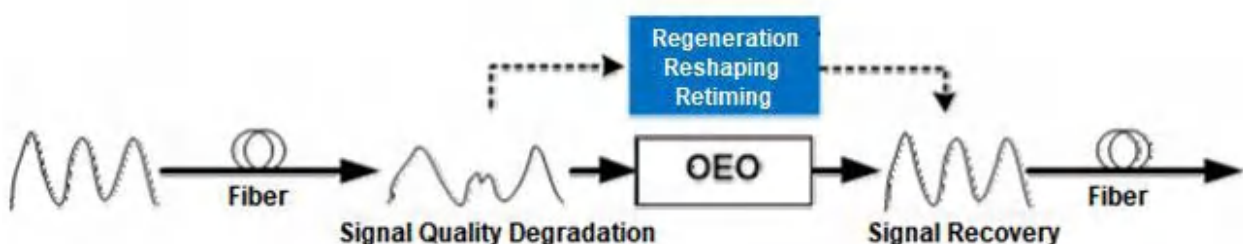
The ROC3-10G-3R is one of the most popular OEO transponder cards of the ROC3 platform. Card offers 3R functions (Re-Amplify, Re-Shape and Re-Timing), acting as a high capacity transponder for fiber media conversion (MM to SM, CWDM or DWDM), amplifying signal and offering complete OEO regeneration. It offers a high density of 4 separate 10G channels per card, reaching a density of 16 channels per 1RU when loaded into any ROC3-CH chassis. ROC3-10G-3R complements other WDM, OADM, DCM and EDFA cards for a complete high density optical transport solution.

Features

- Compact, high-density design, hot-pluggable and hot-swappable card
- 3R Transponder, multi-rate support GE 1.25Gb/s, 10GE 10.3Gb/s, 10GE 11.1Gb/s w/FEC
- Multi-rate STM support: STM-16 2.488Gb/s, STM-64 9.95Gb/s, etc.
- 8 SFP or SFP+ transceiver slots

Applications

- SM and MM conversion, xWDM Wavelength Conversion(CWDM/DWDM)
- Optical Signal Regeneration and Amplification
- Optical Signal Reshaping.



Specifications

Parameter	Unit	ROC3-10G-3R
Dimension	mm	160×200×21 (WxDxH)
Maximal Power	W	3.5(without SFP module)
Rate	Gb/s	Support Ethernet 1.25 Gb/s, 10.3Gb/s, 11.1Gb/s with FEC. Support STM-16 2.488Gb/s, STM-64 9.95Gb/s. Support others at 8.5Gb/s,10.5Gb/s,11.3Gb/s,11.7Gb/s rate.
Maximal Slot Quantity		8
Heat Dissipation		Yes
Coding Scheme		NRZ
3R Function		Support 3R (Re-Amplify, Re-Shape, Re-Time)
Alarm Management		Provide optical receiving power alarm, optical transmission alarm, temperature alarm etc.
Working Mode		Loopback mode / Forward mode
Crossing Function		Single board support the crossing function of group optical channel service
WDM Type		CWDM / DWDM
Applications		Wavelength conversion, SM and MM conversion, Optical signal regeneration and amplification
Operating Temperature	℃	-5 ~ +55
Storage Temperature	℃	-20 ~ +70
Relative Humidity		5% ~ 95% (non-condensing)

Ordering Information: ROC3-xxG-3R

XX
Rate
10: 1G/2.5G/10G rated SFP+ 2.5: 1G/2.5G rated SFP 01: 1.25G rated SFP

Example:

ROC3-10G-3R: 1G/2.5G/10G rated SFP+ transponder card

ROC3-2.5G-3R: 1G/2.5G rated SFP transponder card

ROC3-01G-3R: 1.25G rated SFP transponder card