

ROC3-100G-3R

2x 100G Channel Transponder Card



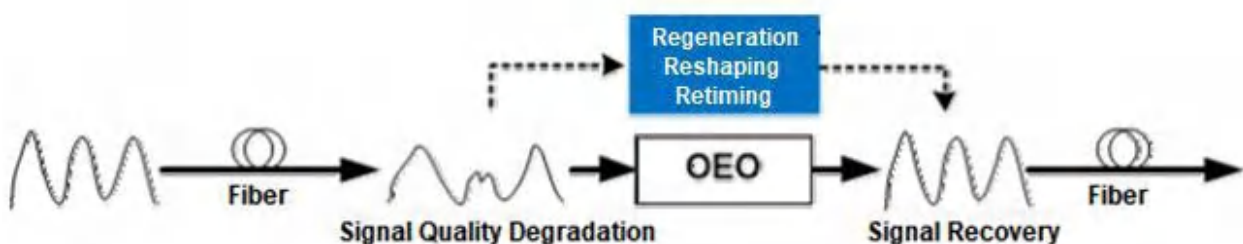
The ROC3-100G-3R is a double density OEO transponder card for the ROC3 platform. Card offers 3R functions (Re-Amplify, Re-Shape and Re-Timing), acting as a high capacity transponder for fiber media conversion (MM to SM, CWDM or DWDM), amplifying signal and offering complete OEO regeneration. It offers double density of 2 separate 100G channels per card, reaching a density of 8 channels per 1RU when loaded into any ROC3-CH chassis. ROC3-100G-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 100GE
- 4x QSFP+/QSFP28 transceiver slots

Applications

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



Specifications

Parameter	Unit	ROC3-100G-3R
Dimension	mm	160×200×21 (WxDxH)
Maximal Power	W	5(without QSFP modules)
Rate	Gb/s	Supports 100Gb Ethernet w/ or w/o RS-FEC
Maximal Slot Qty		4
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	°C	-5 ~ +55
Storage Temperature	°C	-20 ~ +70
Relative Humidity		5% ~ 95% (non-condensing)

Ordering Information: ROC3-100G-3R

Example:

ROC3-100G-3R: 2ch. 40G/100G rated QSFP+/QSFP28 transponder card, managed