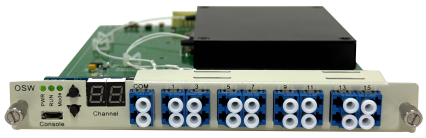
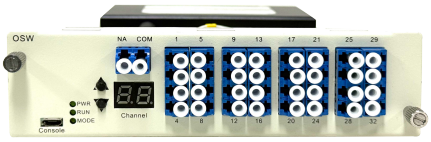
ROC3-OSW

1xN Optical Switch Cards for ROC3 platform





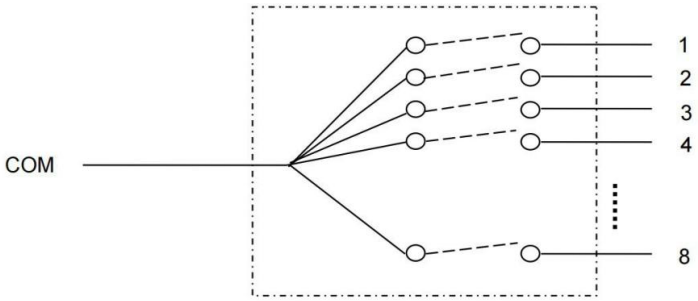
The ROC3-OSW card is a manageable 1xN single path Optical Switch card for the ROC3 platform. The Optical Switch can be managed from local console, front panel keys or the web GUI management interface. Settings include selecting operating mode: manual, auto-scan, detect, and applications include multi-fiber monitoring, optical protection, fiber testing and measurement.

Features

- Modular design, compact size, hot pluggable cards
- Management by panel keys, serial console or webGUI (via NMC card)
- Very fast switching times with low Insertion Loss
- High Stability and High Reliability components (10 million switch actions)

Applications

- FITL Automatic Measurement (last mile fiber)
- Optical Network Remote Monitoring
- Fiber Cable Monitoring and Maintenance Systems



Example of an ROC3-OSW1x8 card application
(only one output connects to COM line any given time)

Specifications & design are subject to change without prior notice. Please visit ROBOfiber website for more details.

Specifications

Parameters	Unit	ROC3-OSW-1xN	
Dimension	mm	160×200×21（WxDxH）	
Maximal Power Consumption	W	2	
Wavelength Range	nm	850±40 / 1300±40	1260 ~ 1650
Test Wavelength	nm	850 / 1300	1310 / 1550
Insertion Loss	dB	1<N≤32	32<N≤64
		Typ:1.0 Max:1.2	Typ:1.2 Max:1.7
Return Loss	dB	MM≥30 SM≥45	
Crosstalk	dB	≥55	
PDL	dB	≤0.05	
WDL	dB	≤0.25	
Repeatability	dB	≤±0.05	
Durability	times	10^7	
Optical Power	mW	≤500	
Switching Time	ms	≤10（sequence switch time of adjacent channel）	
Operating Temperature	℃	-5 ～+ 55	
Storage Temperature	℃	-20 ～+ 70	
Relative Humidity		5% ~ 95% (non-condensing)	

Ordering Information: ROC3-OSWN-YYZZZZ

N	YY	ZZZZ
Channel	**Fiber Type**	**Operating Wavelength**
16 ： 16 Channels **32** ： 32 Channels **72** ： 72 Channels	**SM**: SM 9/125 **M5**: MM 50/125 **M6**: MM 62.5/125	**0850**： 850nm **1310:** 1310nm **1550:** 1550nm **3155:**1310/1550nm

Example

ROC3-OSW16-SM1550: 1x16 Optical Switch card for SM fiber, 1550nm test wavelength

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