OCM -Optical Channel Monitoring Card

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Details

Optical Channel Monitoring Card (OCM)

The Optical Channel Monitoring Card (OCM) from D-TECH Trading is designed to monitor and analyze DWDM optical signals in the wavelength range of 1528.57 nm to 1567.34 nm. It supports real-time analysis of channel optical power, central wavelength, and other transmission parameters with high stability, sensitivity, and accuracy.

Applications

Application	Description
Optical Performance Monitoring	Suitable for end-to-end monitoring of optical performance in DWDM systems

Technical Specifications

Parameter	Specification
Function	Supports testing of central wavelength, optical power, and other parameters of each channel in the MUX optical signal
Slot Number	1 Slot
Port	Provides 8 test interfaces (selected by optical switch), connectable to 8-core MUX optical signal test

Working Wavelength Range	1528.57 nm ~ 1567.34 nm (191.27 THz ~ 196.15 THz)
Channel Spacing	50 / 100 GHz, supports Flexible Grid
Center Wavelength Detection Accuracy	±0.1 nm
Central Wavelength Resolution	0.02 nm
Channel Power Monitoring Range	-40 dBm ~ -10 dBm
Absolute Power Accuracy	? 1 dB
Relative Power Accuracy	±0.8 dB
Optical Power Resolution	0.1 dB
Return Loss	? 40 dB
Scanning Time	? 1 s
Scanning Life	> 10? times

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