

OPCOM300-4 10G 4-Channel CWDM System

OPCOM300 product family is Raisecom high-capacity 4-channel CWDM equipment for providing an attractive CWDM solution for 10G SDH and Ethernet services. It adopts 19-inch 1U modular rack mountable design, enabling a flexible and scalable fiber capacity expansion in metropolitan area. With expansion service cards for adding new services, OPCOM300-4 enables a cost-effective "pay-as-you-grow" solution.

OPCOM300-4 is highlighted for its industry-leading features such as Forward Error Correction (FEC) for extending the transmission distance, loop back test for network troubleshooting, Optical Add and Drop function for chain and ring topology, performance monitoring, automatic log information sending and redundant power supply, assuring the most uptime for carriers and service providers.

Feature

Service Channel	4 services over one fiber pair or single strand fiber
Capacity	10Gbps per channel
FEC	Forward Error Correction, this makes sure of reducing the need for retransmissions and allows a longer transmission distance
Loop back	Loop back function from local device to remote device allows the ease installation, administration and maintenance
Performance monitoring	Performance monitoring of BER, LOS, LOF and etc for a flexible network diagnostics
SYSLOG	Automatically sending log information to SYSLOG server
Optical Add and Drop	Optical Add and Drop function enables the chain and ring topologies
OSC	Optical Supervisory Channel for monitoring and configuring remote device to reduce the truck rolls and logistic costs
Network management	SNMP/Telnet/Console
Redundant power supply	Redundant power supply for the most uptime
Flexibility and Scalability	Extension slots for customer site provide a flexible and scalable CWDM solution for fully utilizing existing fiber lines
Typical Application	Point-to-point, hub-and-spoke
Engineering	Plug and play, no need for configuration

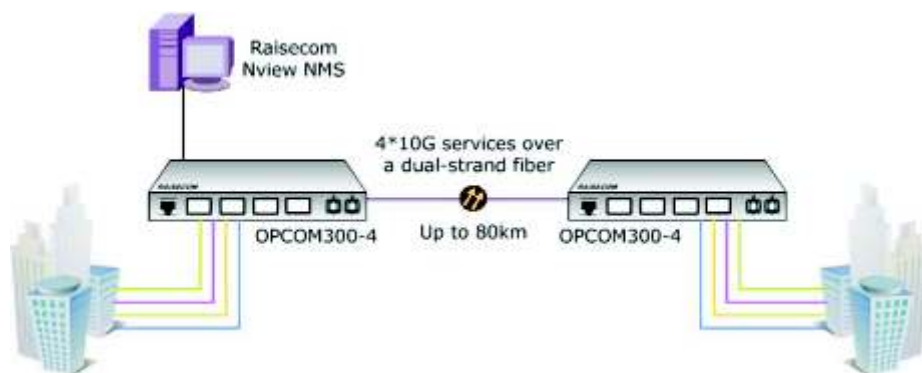


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System

Specification

Construction	4 extension slots for customer services 1 extension slot for line site 1 console interface for local management 1 RJ-45 interface for SNMP management
Data Rate	10Gbps
Physical Network Topology	Point-to-point Hub-and-spoke
Parameters of Customer site optical port	*Connector: LC (XFP) *Data rate: 10Gb *Wavelength: 1310nm
Parameters of Line site optical port	*Connector: SC (XFP) *Data rate: 11Gb *Wavelength: 1510nm - 1570nm
Working ambience	Temp: 0~45 centigrade RH: 20~90% non-condensing
Storage ambience	Temp: -25~85 centigrade RH: 20~90% non-condensing
Power supply	AC: 90~264V, 47~63Hz DC: 36~75V
Dimensions	440(W)*450(D)*44.4(H) mm
Safety	CE marking
Compliance	FCC Class A

Typical Application



Ordering Information

OPCOM300-4	4-channel 10G CWDM equipment with redundant AC or DC power supply
OPCOM300-SUB-ETH	10G Ethernet extension card
OPCOM300-SUB-SDH	10G SDH extension card
OPCOM300-SUB-FC-4G	4G Fiber Channel extension card, transmission distance 40km
OPCOM300-OMD	MUX/DE-MUX module for OPCOM300-4
OPCOM300-OSC	OSC card for remote management

Compliance

Standards & protocols	IEEE802.3ae 10GBASE-R ITU-T G.975
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