



OTWDM 100G OTN

Part number: DMOAP00xxxGOTN

◆ DESCRIPTION

This device has four operational slots that can include different modules and pass up to 100G of traffic. In this type of shelves, there is a slot for placing a control card, a second slot for EDFA, and slots 3 and 4 for placing a Transponder card, which includes a CFP Coherence 100G module and a QSFP 28 100G module.

With the rapid development of the Internet, the bandwidth pressure caused by the spurt growth of data traffic makes it imperative to introduce a 100G system into the transmission network. Therefore, DanialMoj communication co., ltd. has introduced a new generation of high-capacity, long-distance 100G wavelength division transmission Equipment DMO8600 series products. The product uses advanced transmission technology and high integration technology to support single-channel transmission rate from 100Mbps to 100Gbps, and provides wide bandwidth, large capacity and fully transparent transmission for 200Gbps and 400Gbps expansion, enabling smooth upgrade of capacity. It provides a stable platform for multi-service operation and future network upgrade and expansion. It is widely used in operators, broadcasting, IDC, finance, government, cloud network, big data and other industries

◆ PRODUCT FEATURES



DMOAP00100GOTN-1RU back power



DMOAP00300GOTN-2RU



DMOAP00700GOTN-5RU

Huge capacity transmission

Supports 96×100G ultra-large capacity transmissions, that is, single fiber transmission capacity up to 9.6Tb/s, and support 80/96×10G/100G hybrid transmission, supporting smooth upgrade from 40 waves to 80 waves, 48 waves to 96 waves. It ensures low investment and smooth expansion in the early stage of network construction to meet the growing bandwidth demand in the future.

Excellent 100G transmission performance

100G system adopts PDM-QPSK coding technology for coherent detection, supports SD-FEC, B2B OSNR tolerance index is excellent, adopts industry advanced DSP processing technology, dispersion tolerance is 22000 PS/nm, and supports 1200 km or more of non-electric relay transmission. Save investment and greatly facilitate operation and maintenance.

Flexible and comprehensive service access capability

Supports 100M-100G any service access: CPRI1~10, eCPRI FE/GE/10GE/25GE/40GE/100GE, FC 1G~32G, STM-N, OTU1/2/3/4, etc. Transparent transmission reduces the cross-transmission delay of the circuit.

Telecom Reliable protection

Supports multiple network protection schemes such as optical layer 1+1 channel protection and optical line side 1+1 protection, providing multiple protection for important equipment units and optical fiber lines.

Support AC 220V, DC -48V power supply, 1+1 power protection.

Excellent structure, convenient and easy to maintain

It adopts 1U, 2U, 5U standard 19-inch rack design, completely configuration-free installation, device plug-and-play, and unified network management platform, providing complete network and equipment performance monitoring capabilities.

Product specification

Function	Note		
Part number	DMOAP00100GOTN	DMOAP00300GOTN	DMOAP00700GOTN
Equipment Size (H x W x D, mm)	1U: (back-power supply) 44×442×280	2U: (front -power supply) 88×442×220	5U: (front -power supply) 220×442×220
Service slot	4 slots	8 slots	16 slots
Power consumption	120W (Max)	180W (Max)	450W (Max)
Power module part number	DMAPM2X1200000	DMAPM2X1800000	DMAPM2X4500000
Max channel number	CWDM: 18 wavelengths, DWDM: 96 wavelengths (50GHz)		
Single channel max rate	100Gbit/s		
Line side rate	1.25Gbit/s, 2.5Gbit/s, 8Gbit/s, 10Gbit/s, 16Gbit/s, 25Gbit/s, 40Gbit/s, 100Gbit/s		
Support service	STM-1/4/16/64/256、OC-3/12/48/192/768 OTU-1/2/3/4 FE/GE/10GE/25GE/40GE/100GE FC 1G/2G/4G/8G/16G/32G CPRI 1/2/3/6/7/10, eCPRI		
Clock features	Support IEEE 1588V2		
Network topology	Point to point, chain type, star type, ring type		
Network level protection	Optical channel 1+1 protection, optical multiplex 1+1 protection, optical line 1+1 protection		
Equipment level protection	Power supply backup		
Network management	SNMP, Web, CLI, Telnet		
Installation	"19"and 23" cabinets, ETSI 300mm/600mm cabinets Wireless outdoor base station cabinet, hanging wall		
Working temperature range	-10°C ~ 60°C		
Working humidity range	5~95% no condensation		
Storage temperature range	-40°C ~ 85°C		
Heat dissipation	Fan cooling , 10000 RPM		
Power supply mode	AC: 90 ~ 260V or DC: -36 ~ -72 V		