

OTWDM 300 G

Part number: DMOAP00000300G



◆ DESCRIPTION

OTWDM 300G is the second generation of Danial Moj shelves which has been produced with more capacity and facilities and is able to transport data with 300Gbps speed. These shelves have four SFP modules, two modules of which are for receiving the service and the other two modules are used for data transmission. The slot 1 of this shelf is designed for RTL card. This card is used to monitor the status of transponder cards. In addition, in this shelf, a DWDM 40ch rail-moving tray has been designed under the shelf.

300G type optical transmission network system, which is mainly used in metro convergence layer and metro core layer, is a new generation of optical transmission system with high integration, high capacity and long distance launched by DanialMoj Co., Ltd. The equipment applies an advanced transmission technology and highly integrated technology. It provides a function of wide bandwidth, high capacity and fully transparent transmission, which can realize smooth capacity upgrade, offer a comprehensive, flexible and mature protection solution and provide a stable platform for multiple service operation and future network upgrade and expansion.

That optical transmission network system is standard 8U rack type design fully adopts the way of outlet on the front panel, provide 16 service slots, with a super high level of integration.

It supports access rate of up to 10Gbit/s for single channel, Powerful capacity of service convergence.

It ensures the low investment in the early stage of the network construction and the smooth expansion in the late stage, so as to meet the future growing demand in bandwidth

◆ PRODUCT FEATURES

- it supports 19 inches and ETSI cabinet, easy to lay out, with a strong suitability
- it supports free-of-configuration installation, and the equipment is plug-and-play
- it supports a unified network management platform and provides a perfect performance monitoring ability in performance of network and equipment
- it adopts green energy-saving design, with a typical configuration of 150W power consumption
- it focuses on the metro area network and meets service access & convergence and networking

PRODUCT SPECIFICATION

Note	Function
DMOAP00000300G	Part number
8U: 370mm x 444mm x 305mm	Equipment Size (H x W x D, mm)
16 slots	Service slot
150W	Power consumption
CWDM: 18 wavelengths, DWDM: 96 wavelengths	Max channel number
100Gbit/s	Single channel max rate
DWDM: C- Band, 100GHz or 50GHz CWDM: 1270nm~1610nm	Optical Spectrum
STM-1/4/16/64/256 OC-3/12/48/192/768 100M~2.5Gbps FE/GE/10GE/100GE ESCOM, FC100/FC200/FC400/SAN	Support service
XFP/SFP+/SFP, LC type interface	Module/connector type
Point to point, chain type, star type, ring type, ring-with-chain type, ring-cross type, ring-tangency type	Network topology
optical line 1+1 protection	Network level protection
Dual power Dual fan	Equipment level protection
SNMP, Web, CLI, Telnet	Network management
19" Rack inch	Installation
0°C~50°C	Working temperature range
5~90%	Working humidity range
-10°C~70°C	Storage temperature range
Fan cooling	Heat dissipation
DC: -36 ~ -72 V (1+1)	Power input
5V, 24A	Power output
150w	Power consumption
DMAPM2X1500000	Power part number
5000 rpm	Fan speed

OTWDM 300G power MODULE

Two Power modules in 1+1 are used at the same time to provide 48V input, needed by the 300G shelves and in case of fault or breakage of any of the two powers, the other power provides the shelf with the necessary power.



RTL Switch Card

Part number: DMARL000FE010

This card is used as Sub device to add accessory apparatuses to the main shelf.
also as displaying the status of Transponder cards in slots 2 to 16.

This card is used in OTWDM 300G.