

## DATE SHEET

### MODULETEK: MT2010-DWDM-OADMxx

#### Overview

The MT2010 DWDM series dense wavelength division multiplexer is a low-cost WDM transmission scheme. Its optional wavelength meets the ITU 100G Channel standard, and the channel spacing is 0.8nm. Using the low loss and high bandwidth characteristics of single-mode fiber, the AWG array waveguide grating technology is used to couple the light of different wavelengths into a single fiber for transmission, effectively improving the utilization of the fiber and reducing the network operation cost.

The main function of MT2010-DWDM-OADMxx is to separate and insert several optional wavelengths from the multi-wavelength channel, allowing different wavelength signals of different optical networks to be inserted and multiplexed at different locations. The networking is flexible, and it is easy to upgrade and expand the network. The product has excellent performance, with the advantages of small insertion loss, high isolation, stable performance, small delay and simple use. The shape is a 19-inch 1U chassis, which can be easily installed in a conventional cabinet, Three special channels can also be selected, namely pass-through, monitoring and 1310 channels. The pass-through channel can be used to further expand the network bandwidth; The monitoring channel can be used to monitor the optical power of the service port; 1310 channel can be used for traditional 1310nm 1G/10G/40G/100G rate signal transmission.

#### Product Features

- Low insertion loss
- High isolation
- Working wavelength width
- High reliability and stability
- No glue in optical path
- Dual LC/UPC interface
- 1U chassis

#### Applications

- Electric communication
- Campus network
- Enterprise network
- MAN and access network
- WDM system
- Cable TV network

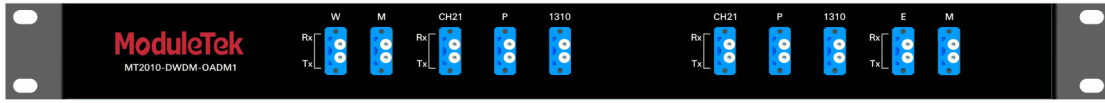
## Ordering Information

Part Number	Description
MT2010-DWDM-OADMxx-CHyy-CHzz-Options-00	DWDM OADM,xx is the number of product channels,yy、 zz is the customized continuous channel wavelength range,00 is the version number,meets the ITU 100G Channel standard, channel spacing 0.8nm, uses LC interface, 1U chassis
<p><b>Notes:</b></p> <p>1.The "xx" in the "- MUXxx" in the product model is the number of channels of the product,which can be taken as 1, 2, 4, 8, 16 and 20,respectively representing 1 channel,2 channel,4 channel,8 channel,16 channel,and 20 channel dense wavelength optical division multiplexers.</p> <p>2."- Options" in the product model are optional functions of the product,including M(power monitoring),P(pass-through port),G (1310 channel port).Users can mark the required optional functions in the product model,for example:MT2010-DWDM-OADM1-CH21-MPG-00,that is, 1-channel dense wavelength optical add-drop multiplexer,and the working channel is CH21,It also supports three optional functions: power monitoring, pass-through channel and 1310 channel;for example: MT2010-DWDM-OADM2-CH21-CH22-MPG-00,that is,2-channel Dense Wavelength Optical Add-Drop Multiplexer,with operating channels from CH21 to CH22,It also supports three optional functions: power monitoring,pass-through channel and 1310 channel;If you do not need any optional functions,please ignore the "- Options" part in the product model,for example:MT2010-DWDM-OADM1-CH21-00.</p>	
<p><b>For more information or to order the above products, please contact:</b> E-mail: sales_cn@moduletek.com</p>	

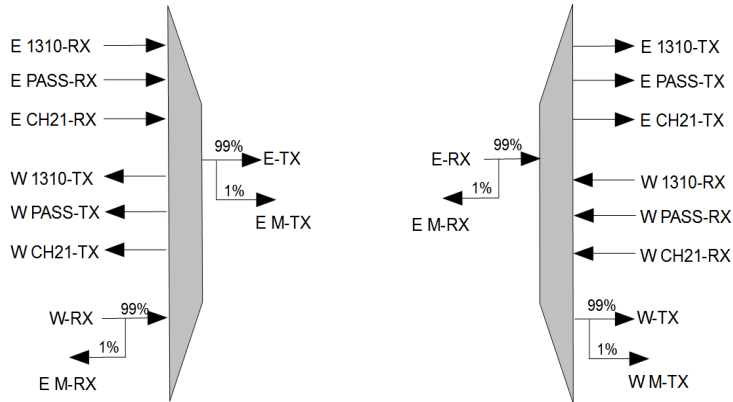
## General Product Specifications

Parameter	Unit	DWDM OADM Module					
		1	2	4	8	16	20
Number Of Channels	CH	1	2	4	8	16	20
Working Wavelength	nm	1520 ~ 1620					
Transmission Broadband	GHz	100					
Insertion Loss	dB	≤1.0	≤1.5	≤2.6	≤4.0	≤10.0	≤11.5
Adjacent Channel Isolation	dB	≥30					
Non-Adjacent Channel Isolation	dB	≥35					
Return Loss	dB	≥45					
Directivity	dB	≥50					
Package Size	mm	19" Rack					
Working Temperature	°C	-5 ~ 75					
Storage Temperature	°C	-40 ~ 85					

## Front Panel



## Wiring Diagram



## Dimension (Unit: mm)

