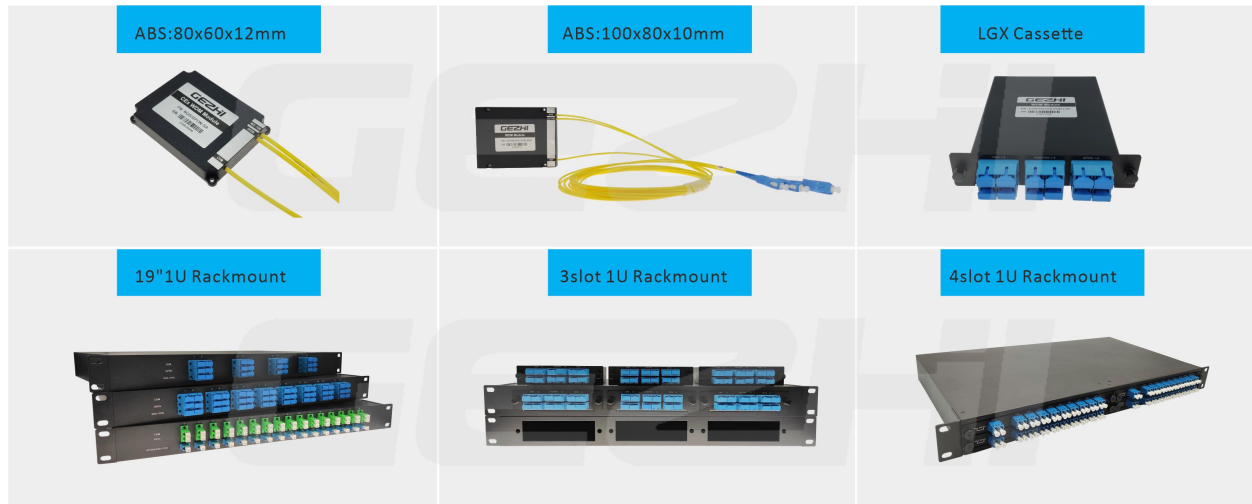


Wavelength Multiplexer WM1

NG-PON2 (also known as TWDM-PON), is a telecommunications network standard for a passive optical network (PON). Its capable of total network throughput of 40 Gbit/s, corresponding to up to 10 Gbit/s symmetric upstream/downstream speeds available at each subscriber.

GEZHI Photonics supplying WM1 and CEx modules that fit the NG-PON2 requirements. The Wavelength Multiplexer (WM1) is a passive device used to support Next Generation PON (NG-PON2). it combines and separates the C and L band DWDM bi-directional transmission.



FEATURES	APPLICATIONS
Low Insertion Loss High channel isolation Excellent Environmental	WDM SYSTEM PON SYSTEM FTTH access networks

Ordering Information

Model	Channel	Configuration	Package type	Cable type	Fiber length	Connector
WM1 S=Specify	04=4Channel 08=8Channel S=Specify	M=Mux D=Demux A=Mux+Demux	A0=ABS box 80x60x12mm A1=ABS box 100x80x10mm A2=ABS box 120x80x18mm A3=ABS box 140x115x15mm L1=LGX 129*29*130mm L2=LGX insert in 2slot Rack L4=LGX insert in 4slot Rack R1=19" 1 U Rack R2=2slot 19"1U Rack R4=4slot 19"1U Rack S=Specify	00=None 09=900um loose tube 20=2.0mm 30=3.0mm	00=None 05=0.5m 10=1.0m 15=1.5m S=Specify	00=none LP=LC/UPC LA=LC/APC SP=SC/UPC SA=SC/APC FP=FC/UPC FA=FC/APC S=Specify

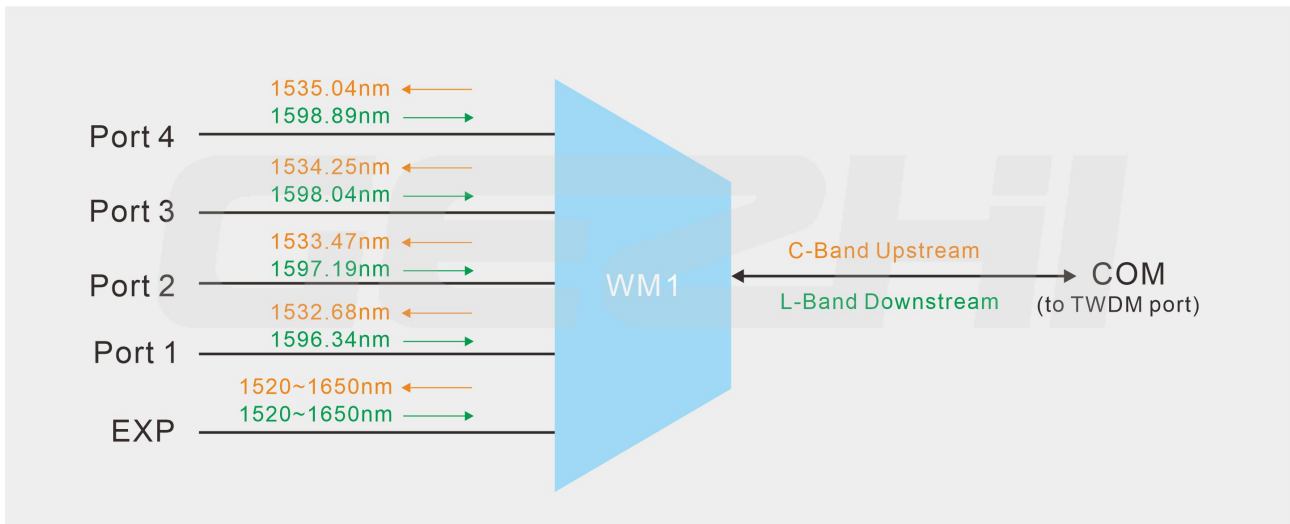
Specification

Parameter	Unit	Value
Center Wavelength	Port 1	1532.68 / 1596.34
	Port 2	1533.47 / 1597.18
	Port 3	1534.25 / 1598.04
	Port 4	1535.04 / 1598.89
Passband	nm	±0.12
Insertion Loss	dB	≤2.0
Ripple	dB	≤0.4
Isolation	dB	Adjacent Channel ≥30
	dB	Non-Adjacent Channel ≥36
	dB	Upgrade Channel ≥11
Directivity	dB	≥55
Return Loss	dB	≥50
Polarization dependent loss	dB	≤0.3
Polarization Mode dispersion	ps	≤0.2
Operating Temperature	°C	-5~+75
Storage Temperature	°C	-40~+85

Note: Customized Specification is available.

The above specifications is include connector loss.

Wavelength Multiplexer WM1 diagram



C-Band wavelengths: 1532.68 | 1533.47 | 1534.25 | 1535.04

L-Band wavelengths: 1596.34 | 1597.18 | 1598.04 | 1598.89