

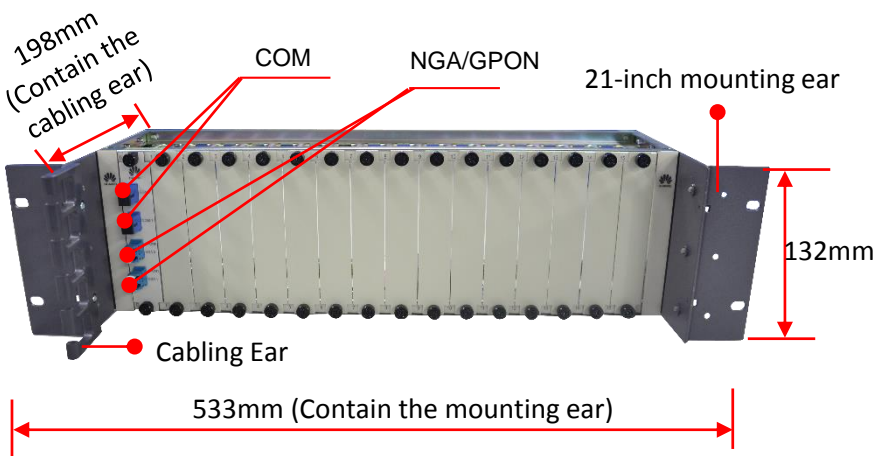
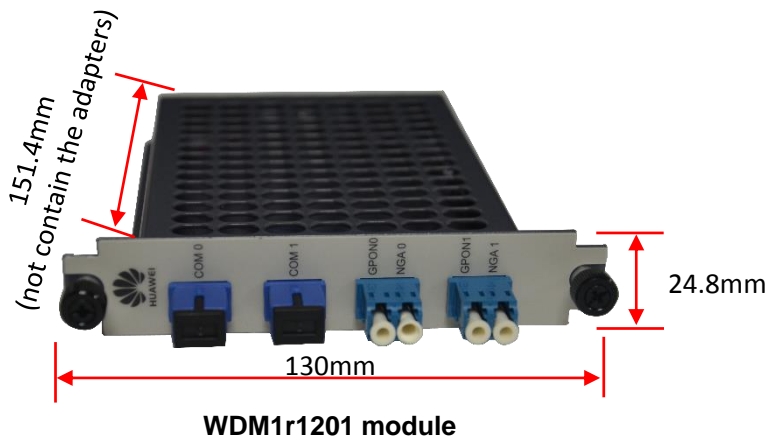
# WDM1r1201 Module iODNCP V100R001C16 Datasheet 01

The compatibility and smoothness between a new optical access system and the existing GPON is the most crucial factor in system evolution.

The WDM1r1201 module is designed for Next Generation Access (NGA) system that co-exists with GPON on the same ODN.

The WDM1r1201 module can be used only indoors under temperature/humidity-controlled environments.

## Product Structure



WDM1r Subrack



N63E





## Features

- Physical Characteristics:**

WDM1r1201 module can be installed in subrack easily.

WDM1r Subrack has a height of 3U and can accommodate up to 16 modules.

WDM1r Subrack can be installed on a 19" or 21" cabinets such as ODF2101, iODF3101 and N63E cabinets.
- Product Configurations:**

WDM1r1201 support 2 channels NGA signal and 2 channels GPON signal access towards to clients.
- High Quality:**

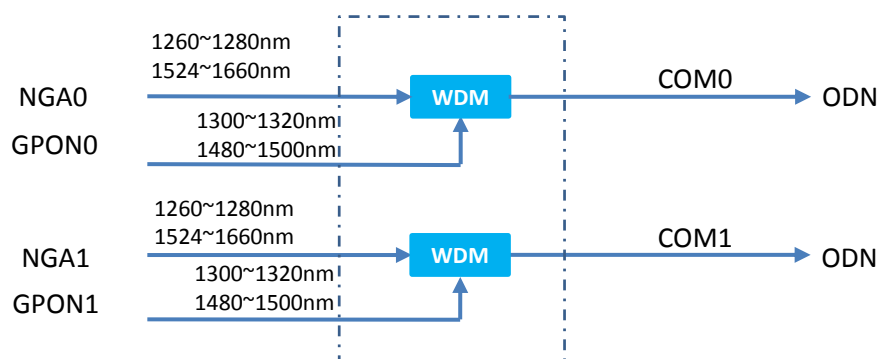
Low insertion loss and high isolation

Thin film filter technology

Robust, ultra stable and highly reliable

GR1209 & GR 1221 compliant

## Application





## Specifications

Items		Description	Note	Units
Wavelength range	NGA	1260~1280 & 1524~1660	Pass Band	nm
	GPON	1300~1320 & 1480~1500	Reflector Band	nm
Insertion loss	NGA to Com	$\leq 1.2$	1260~1280nm & 1524~1625nm (Including 1625nm)	dB
		$\leq 1.4$	1625~1660nm (Exclude 1625nm)	dB
	GPON to Com	$\leq 1.0$	1300~1320nm & 1480~1500nm	dB
Isolation	NGA to COM @GPON	$\geq 30$		dB
	GPON to COM @NGA	$\geq 25$		dB
Pass band ripple		$\leq 0.5$		dB
Directivity		$\geq 50$		dB
PDL		$\leq 0.2$		dB
PMD		$\leq 0.1$		ps
Return loss		$\geq 45$		dB
Operating power		$\leq 500$		mW
Weight(WDM1r Subrack)		3.0		Kg
Size ( H×W×D )		Module: 130×24.8×151.4		mm
		Subrack: 132×533×198		
Connector		COM : SC/UPC		
		NGA/GPON: LC/UPC		
Work temp		-5 to 65		°C
Storage temp		-40 to 85		°C
Work humidity		5 to 95		%RH
Storage humidity		5 to 95		%RH

Remark: the values of insertion loss including PDL、WDL、TDL and adapter's loss.

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