

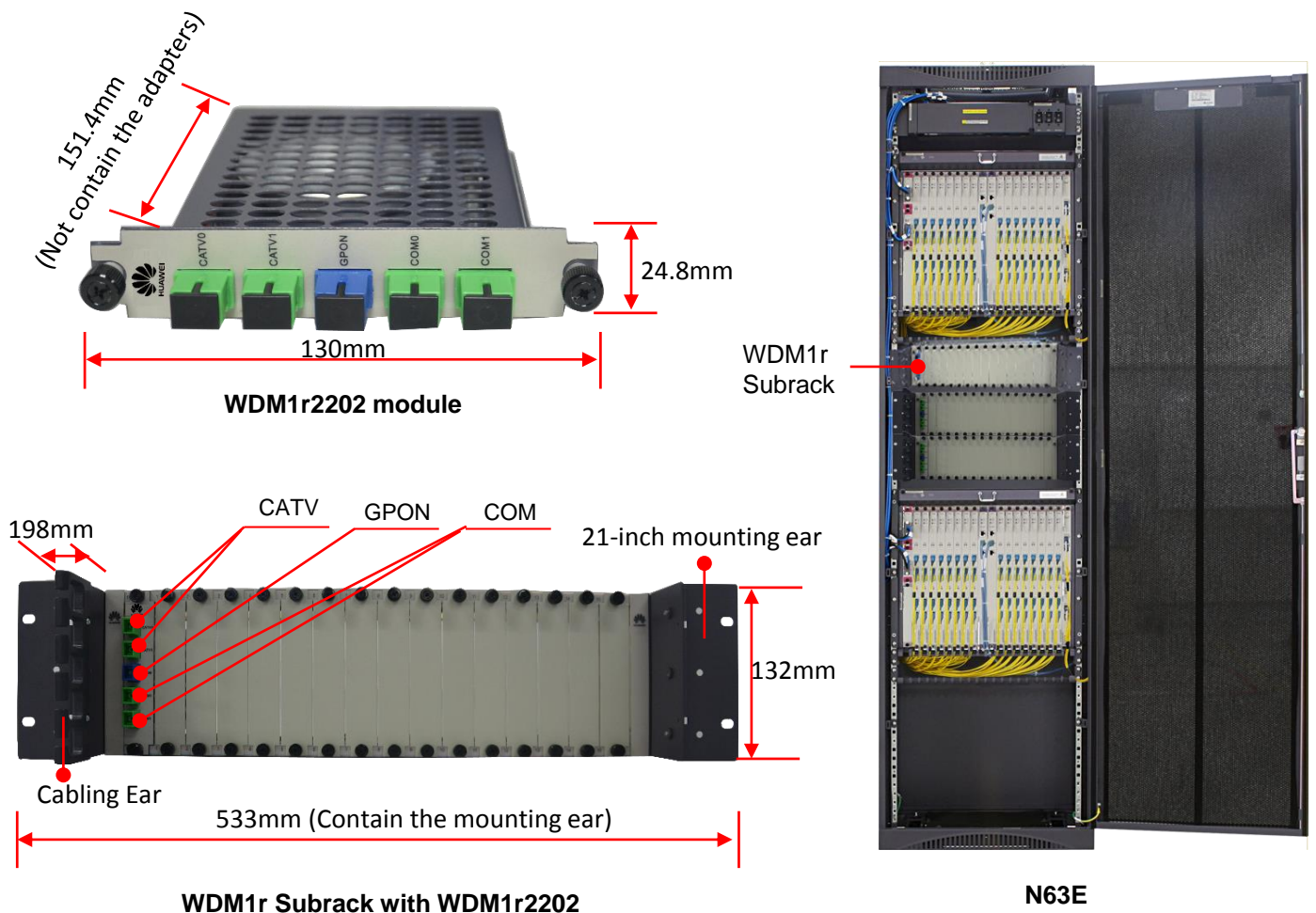
# WDM1r2202 Module iODNCP V100R001C16 Datasheet 01

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

The WDM1r2202 module is designed for CATV system that co-exists with GPON on the same ODN.

The WDM1r2202 module can be used only indoors under temperature/humidity-controlled environments.

## Product Structure

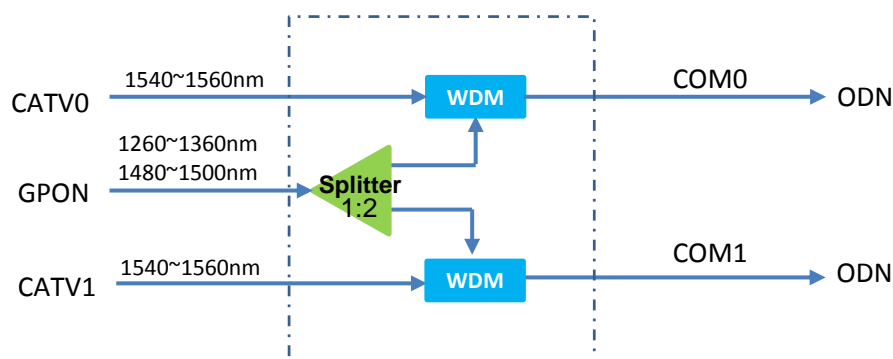




## Features

- **Physical Characteristics:** WDM1r2202 module can be installed in subrack easily.  
Subrack has a height of 3U and can accommodate up to 16 modules.  
Subrack can be installed on a 19" or 21" cabinets such as ODF2101 , iODF3101 and N63E cabinets.
- **Product Configurations:** WDM1r2202 support 1 channels GPON signal and 2 channels CATV 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	CATV	1540~1560	Pass Band	nm
	GPON	1260~1360 & 1480~1500	Reflector Band	nm
Insertion loss	CATV to COM	≤ 1.0		dB
	GPON to COM	≤ 4.5		dB
Isolation	CATV to Com @GPON	≥30		dB
	GPON to Com @CATV	≥20		dB
Pass band ripple		≤ 0.8		dB
Directivity		≥ 50		dB
PDL		≤ 0.25		dB
PMD		≤ 0.1		ps
Return loss		≥ 45		dB
Operating power		≤ 500		mW
Weight(WDM1r Subrack)		3.0		Kg
Size ( H×W×D )		Module: 130×24.8×151.4		mm
		Subrack: 132×533×198		
Connector		CATV : SC/APC		\
		GPON: SC/UPC		
		COM: SC/APC		
Work temp		-5 to 65		°C
Storage temp		-40 to 85		°C
Work humidity		5 to 95		%RH
Storage humidity		5 to 95		%RH

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