

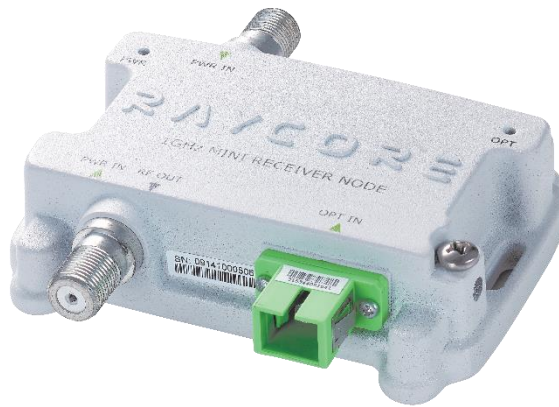
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RAYCORE

Q3-S133 V4.1E

Specification of CATV Ultra Mini Fiber Node

Part Number: ARX1-1010-x1003-00



The Raycore ONU is an optical receiver module that can be installed in existing fiber manager box. This product provides subscribers with many advantages:

- Cut costs with fewer EDFAs
- Less hassle with easier network planning
- Save time updating data equipment (and its easier)
- Increase subscriber satisfaction with guaranteed signal levels
- Shorten installation time with easier and simplified installation procedure
- Stable units with wide temperature range and IP43 classified enclosure

Features

- Optical level control.
- Bandwidth to 1GHz.
- Wide input power range: -3dBm to -10dBm
- Stable output level: 83dBuV
- Excellent sensitivity and linearity
- Low power consumption
- RoHS Compliance
- LED for power (Blue LEDs)
- LED for OPT-IN signal. Light up when optical in signal is in correct range (-3 to -10 dBm)

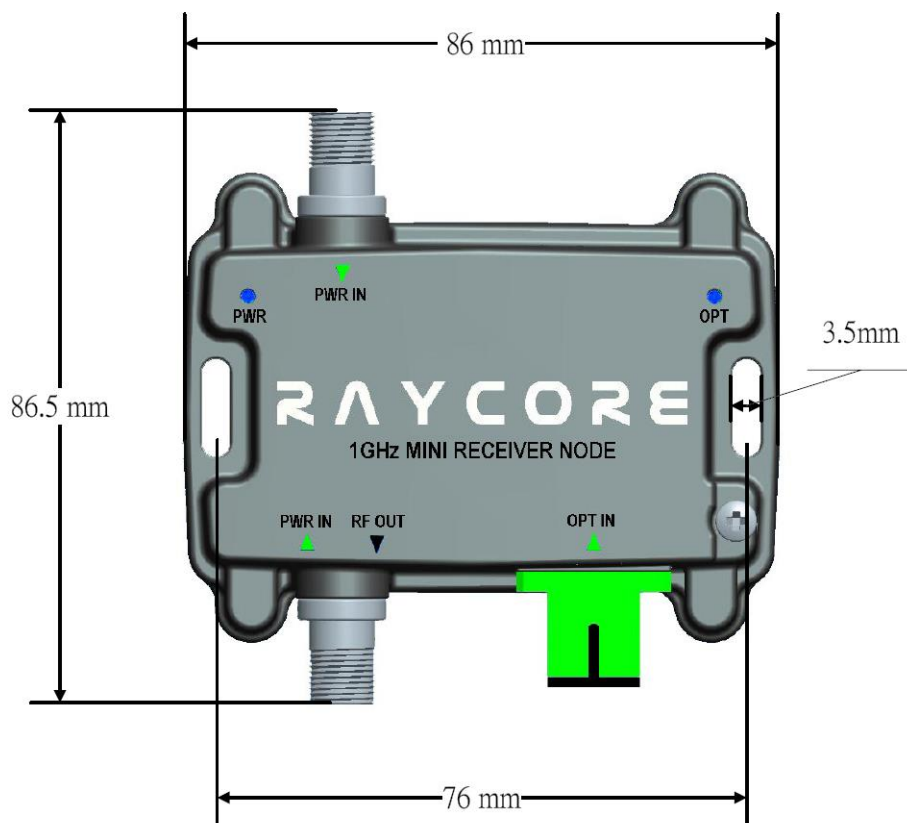


Specifications

Parameter	Specification	Note
Optical Specifications		
Wavelength	1260 to 1620nm	Typical responsivity of a photodiode is >0.85A/W at 1310nm and >0.95A/W at 1550nm
PD Type	Receptacle	
Optical Connectors	SC/ APC	
Optical Input Power	-3 to -10dBm	AGC (Optical level auto gain control)
RF Specifications		
RF Bandwidth	47 -1000MHz	
Return Loss	14 dB (Typical)	13dB (Min)
Output Level	83dBuV	
Flatness	+/- 1 dB	
CNR	48	CENELEC 42chs loading, OIM=4% and optical input power @-6dBm
CTB	67dB	CENELEC 42chs and OMI 4%
CSO	63dB	CENELEC 42chs and OMI 4%
General Specifications		
Power supply	DC15V/1.0A	
Power consumption	2.4 W	
RF Connector	F-type (Female)	Fit for cable size
RF Output Impedance	75Ω	
Operating temperature range	-30 to +55°C	
Storage temperature range	-40 to +70°C	
Dimensions (L X W X H)	86 X 86.5 X 23 mm	
Weight	0.2Kg	



Product Drawing (unit: mm)



Ordering Information

Part Number	Descriptions
ARX1-1010-11003-00	Mini Fiber Node, Receiver Only (SC/APC, w/ US AC-110V Linear Power Adapter)
ARX1-1010-21003-00	Mini Fiber Node, Receiver Only (SC/APC, w/ European AC-220V Linear Power Adapter)
ARX1-1010-51003-00	Mini Fiber Node, Receiver Only (SC/APC, w/ US AC-100~240V Switching Power Adapter)
ARX1-1010-61003-00	Mini Fiber Node, Receiver Only (SC/APC, w/ European AC-100~240V Switching Power Adapter)

