

# MININODO RF + WDM XGS-PON READY



## INTRO & VIEWS

LF-911RW-XGS wave-splitting optical receiver adopts high isolation and WDM technology to separate CATV and XGS-PON ONU signals, which can meet the needs of FTTH fiber to household in CATV & GPON, 10GPON, XGPON, XGSPON, NGPON2, GEAPON, Ethernet PtP & Wavelength multiplexing of CATV RF in FTTH xPON networks receiving 1550nm wavelength in CATV signal. WDM optical receiver chooses high bandwidth, high sensitivity photoelectric cell, and low noise matching circuit, all Shen gallium IC amplifier, with low optical power receiving and RF - AGC technology, light receiving range - 18 ~ + 2 dBm electric AGC:-2 ~ -12dBm, RF constant output 82dBuv, also on the front panel LED lights with optical power monitoring (15dBm) or higher. The split-wave optical receiver is a high-quality power adapter designed for continuous operation for 5 years.



## TECHNICAL PARAMETERS

Item	Unit	Performance Parameter	
Input wavelength	(nm)	1310/1490,1550,1270/1577	
Output wavelength	(nm)	1310/1490,1270/1577	
Operation wavelength	(nm)	1540~1560	
Channel separation	(dB)	≥40 ( 1310/1490,1270/1577/1550nm )	
Response	(A/W)	≥0.9	
Receive power range	(dBm)	+2~-18	
Reflection loss	(dB)	≥55	
Fiber linker	/	SC/APC	
XGS-PON linker	/	SC/UPC	
Bandwidth/flatness	MHz/dB	47~1000/±1	
Output level	dBuv	1 RF	AGC: 82±1/(-2~-12dBm)
Reflection loss	dB	≥14 ( 75Ω characteristic impedance )	
RF output interface	/	Inch (FL-10)	
CNR	dB	≥44/34(PAL-D 60CH,OMI3.8%,-9dBm)	
CTB	dB	≥65/≥60/≥60(-9dBm receive)	
Power supply/consumption	V/W	AC90~255V→DC5/2	
Working/storage Temperature	°C	-35~50/-40~75(humidity 5~90%)	
Size	mm	95×92×23	