

FWR-XGS-8610RWU XGS-PON & CATV WDM Optical Receiver with USB Output 5V/500mA
XGS-PON 分波光接收机，带 USB 供电输出 5V==500mA



Production description

FWR-XGS-8610RWU wavelength-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 + XGS-PON optical network to receive 1550nm CATV signal and output XGS-PON signal: 1310/1490nm & 1270/1577nm.

FWR-XGS-8610RWU XGS-PON & CATV WDM Optical Receiver with USB Output 5V/500mA to Power FWG-890G GPON ONU.

Product Feature

- ▶ FWR-XGS-8610RWU Optical Receiver with USB Output 5V/500mA to Power FWG-890G GPON ONU.
- ▶ FWR-XGS-8610RWU XGS-PON & CATV WDM Optical Receiver Compatible with HUAWEI OptiXstar S890H / P871E XGS-PON ONU, achieving XGS-PON & Wavelength multiplexing of RF video (CATV) in FTTH GPON, 10GPON, XGPON, XGSPON, NGPON2, GEAPON networks.
- ▶ PIN optical receiving power, AGC receiving range: -2 ~ -12dBm, output level: 82dBuv (78dBuv±1, 2 RF outputs).
- ▶ Wide bandwidth type: 47 ~ 1000MHz working bandwidth.
- ▶ FWR-XGS-8610RWU XGS-PON & CATV WDM Optical Receiver can be used along with the FULLWELL 1550nm optical transmitter and XGS-PON & CATV WDM EDFA / Combiner for FTTH triple play transmission and coverage.
- ▶ Industry-leading 5V power adapter, non-stop work design for more than 5 years.

Technical Parameters

Item		Unit	Parameter
Optical characteristic	Input wavelength	nm	1270/1577 & 1310/1490 + 1550
	Output wavelength	nm	1270/1577 & 1310/1490
	Operation wavelength	nm	1545~1565
	Channel separation	dB	≥40
	Response	A/W	≥0.9
	Receive power range	dBm	+2~-18
	Reflection loss	dB	≥55

	Fiber linker	/	SC/APC
	PON linker	/	SC/APC (Can be customized SC/UPC)
RF characteristic	Bandwidth/Flatness	MHz/dB	47-1000/±1
	Output level(-2~-12dBm)	dBuv	AGC: 82±1/(1 RF output)
			AGC:78±1 (2 RF outputs, can be customized)
	Output level adjustable Range	dB	0~15 (Can be customized)
	Reflection loss	dB	≥14 (75Ω characteristic impedance)
	RF output interface	/	1 RF output
			2 RF outputs, can be customized
	CNR/MER	dB	≥44/34(PAL-D 60CH, OMI3.8%,-9dBm)
CTB/CSO/HUM	dB	≥65/≥60/≥60(-1dBm receive)	
Other requirement	Power supply/Consumption	V/mA	External AC100~240V→DC5/1000
	USB Output	V/mA	5V/500mA
	Working/Storage temperature	°C	-35~50/-40~75(humidity 5~90%)
	Size	mm	95×92×23

Product Series

FWR-XGS-8610RWU, XGS-PON & CATV WDM Optical Receiver with USB Output 5V/500mA

项目	单位	参数	
输入波长	(nm)	1310/1490,1550,1270/1577nm	
输出波长	(nm)	1310/1490 & 1270/1577nm	
工作波长	(nm)	1540~1560	
相互隔离度	(dB)	≥40 (1310/1490nm and 1550nm)	
响应灵敏度	(A/W)	≥0.9	
光接收功率	(dBm)	+2~-18	
光反射回波损耗	(dB)	≥55	
输入光接口	/	SC/APC	
PON 光接口	/	SC/UPC(可定制 SC/APC)	
带宽/不平度	MHz/dB	47-1000/±1	
输出电平	dBuv	1 RF	AGC: 82±1/(-2~-12dBm)
		2RF (可定制)	AGC: 78±1/(-2~-12dBm)
输出电平可调范围	dB	0~15 (可定制)	
反射损耗	dB	≥14 (75Ω characteristic impedance)	
射频 RF	/	1 路, 公制 (可定制 2 路或者英制)	
CNR/MER	dB	≥44/34(PAL-D 60CH, OMI3.8%,-9dBm)	
CTB/CSO/HUM	dB	≥65/≥60/≥60(-1dBm receive)	
供电/功耗	V/W	AC100~240V→DC5/3	
	USB 输出	5V/500mA	
工作/储存温度	°C	-35~50/-40~75(湿度 5~90%)	

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mm

95×92×23

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