

## GLB3500E-4R Two Satellites FTTH LNB

GLB3500E-4R satellite TV FTTH Optical LNB is a two-core fiber input optic receiver converting two satellite over fiber signals into one RF for up to 4 satellite receivers in one home. Working with 2pcs Greatway GLB3500E-2T satellite TV optical transmitters from two fiber inputs, GLB3500E-4R has built-in SatCR module switching the wideband RF from two satellites such as Nilesat and Arabsat etc, outputs 4 satellite user bands at one SatCR RF port for 4 uncable satellite receivers.

GLB3500E-4R has 1310nm/1490nm/1550nm WDM option port for co-working with GPON ONU in any FTTH application, which enables full satellite LNB contents be inserted in the GPON system.



### Features:

- Compact plastic housing
- Two SC/APC fiber inputs and one RF output
- High Linearity Photodiode
- Optical AGC range: -6dBm ~ +1dBm
- One SatCR RF port for up to 4 uncable sat receivers
- Sat RF Band: 950~2150MHz
- Terrestrial TV RF Bandwidth: 88~250MHz
- Complied with EN50494+EN50607 standards
- Optional WDM port to GPON ONU
- Option: One SatCR RF port for up to 8 uncable sat receivers

## Specifications

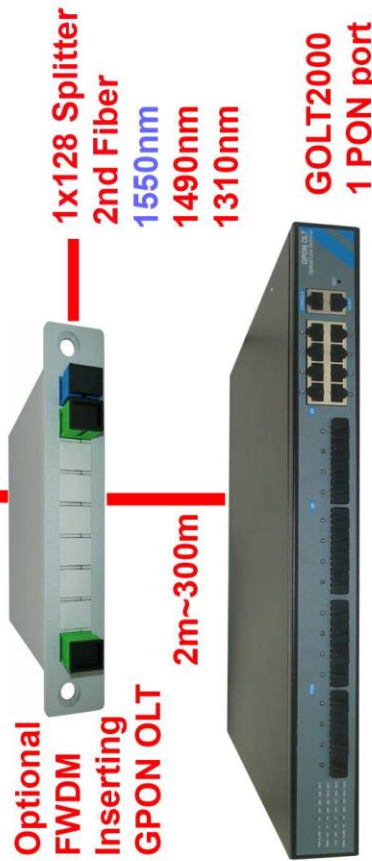
Item	Parameter
Fiber Input Ports	Two
Input Optical Wavelength	1000~1600 nm
Working Optical Power	-14dBm ~ +2dBm
AGC Range	-6dBm ~ +1dBm Optical Input
Optical Connector	SC/APC
Optical Return Loss	45 dB
RF Output Bandwidth	Sat: 950~2150MHz Terrestrial TV: 88~250MHz
RF Flatness	Sat: $\pm 4.0\text{dB}@88\sim 2150\text{MHz}$ , $\leq 1.5\text{dB}@any 36\text{MHz}$
RF Return Loss	>10 dB
RF Connector	American F Female
RF Output Impedance	75 $\Omega$
RF Output Level	>78dB $\mu\text{V}$ @ (-6dBm ~ +1dBm)
Sat User Band	4 (EN50494+EN50607) 1210MHz, 1420MHz, 1680MHz, 2040MHz (optional 4: 985MHz, 1050MHz, 1115MHz, 1275MHz)
Power Supply	12V 1A DC power adapter
Power Consumption	7W
LED Indicator	Sat 1: wideband horizontal LED and wideband vertical LED Sat 1: wideband horizontal LED and wideband vertical LED Green when the signal is higher than -55dBm DC Power LED, Sat Receiver connecting LED
Working Temperature	5 ~ +45°C
Storage Temperature	-40 ~ +85°C
Humidity	$\leq 95\%$
Dimension (L*W*H)	165mm×112mm×32mm
Weight	0.5 Kg

## Ordering Information

GLB3500E-4XRY Two Satellites FTTH Optical LNB for 4/8 unicable receivers in one home  
 X(GPON Option): None\_ No WDM port to ONU, W\_ one WDM fiber port to ONU  
 Y (User Band Number): None\_default 4, 8\_ 8 userbands (default 4+optional 4)

# Nilesat and Arabsat two fibers Direct to 128 Homes

[www.greatwaytech.com](http://www.greatwaytech.com)



**Two sat dishes on the roof**  
Optical transmitters and OLT in the next office

