

GLB3600 L-Band Fiber Optic Link

GLB3600 L-Band Satellite Transport System provides a cost-effective transparent link between satellite antenna and receiver equipment for applications such as satellite antenna remoting and distribution of digital broadcast systems (DBS). GLB3600 allows single mode fiber transmission distances to 35 km at 1310 nm.

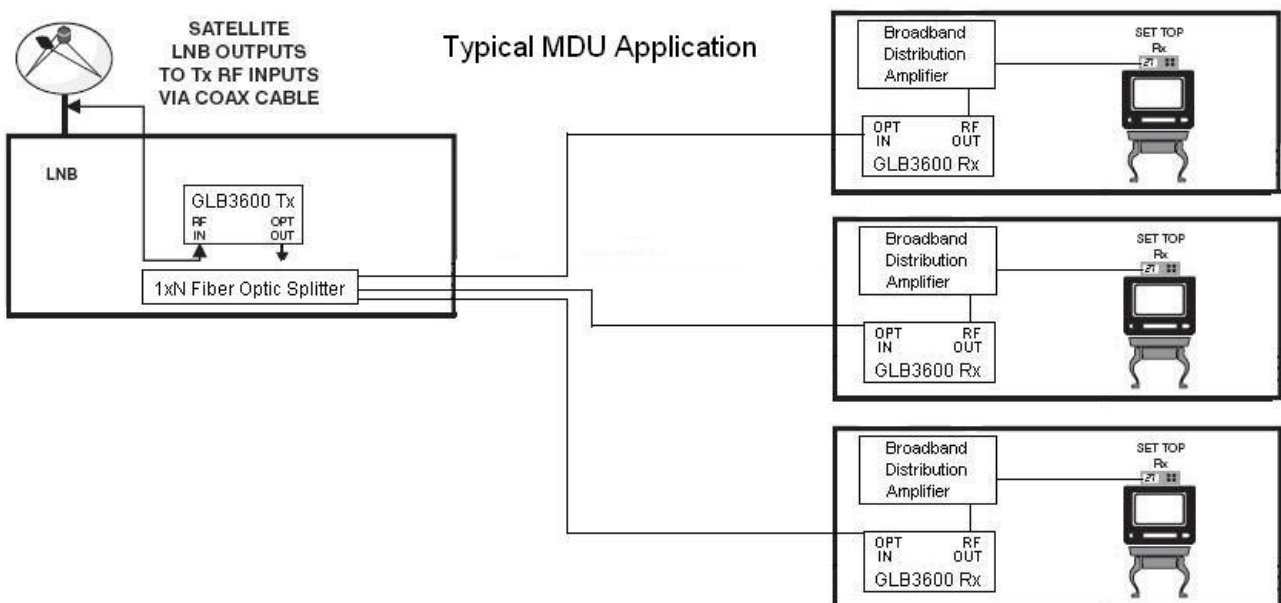
GLB3600 has two versions: outdoor waterproof Aluminum Die Casting version GLB3600U and indoor 19" 1RU rack version GLB3600R. The outdoor version has capacity for two optical transmitters or two optical receivers. The indoor version has capacity for four optical transmitters or four optical receivers.



Features:

- | 950MHz to 2150MHz L-Band Fiber Link
- | Single Mode Fiber Distance up to 35Km
- | Antenna remoting
- | Satellite Dish distributed over fiber and coaxial cable
- | Waterproof outdoor version and indoor version available

Applications:



Specifications: L-Band RF and Optical Characteristics

Parameter	Min	Typ	Max	Units
Laser Wavelength		1310		nm
Laser Output Power	+2	+3	+4	dBm
Rx Optical Input Power	-20		+4	dBm
Tx Input RF Return Loss		13	10	dB
Rx Output RF Return Loss		20	15	dB
System Gain (0 dB Opt. Loss)	18	20	22	dB
System Gain variation over temp	-2		2	dB
Amp. Flatness (950-2150 MHz)		+/-1	+/-1.5	dB
Group Delay (950-2150 MHz)		0.5	1	ns
Noise Figure (0 dB opt. loss)		22	24	dB
Noise Figure (9 dB opt. loss)		31	35	dB
Tx RF Input Range	-60		-15	dBm
Input RF Compression Point		-8		dBm
Input RF Compression Point		+11		dBm
Intermodulation Distortion		-50	-40	dBc

Electrical/Optical Characteristics

Parameter	Optical Performance
RF Connector	F-Type
RF Impedance	75 Ohm
Fiber	9 μ m / 125 μ m Single Mode Fiber
Fiber Connector	SC/APC

Physical and Environmental Characteristics

Parameter	Optical Performance
Power Supply	24V DC or 220V AC
Power Consumption	< 10W
Dimension	325×225×128 (mm) (Outdoor Version) 480×325×44 (mm) (Indoor Version)
Weight	<5Kg (Outdoor Version) <8Kg (Indoor Version)
Operating Temperature	-40~+60 °C
Storage Temperature	-40~+85 °C
Relative Humidity	5~95 % (non-condensing)

Ordering Information

GLB3600AT-B-C L-Band Optical Transmitter
GLB3600AR-B-C L-Band Optical Receiver

A (Housing): U-Outdoor Version; R-Indoor Version

B (Tx or Rx Number): 1 or 2 or 3 or 4

C (Power Supply): None-220V AC; 24-24V DC