

UPSTREAM TRANSMITTER

FSX-TXU
DTX-TXU



The IPITEK Upstream Transmitter Module is a high-quality, cost-effective solution to your return path needs. With 5-300 MHz of return bandwidth, this unit meets current requirements and prepares your system for the bandwidth-intensive services of the future. IPITEK's FSX/DTX System Chassis house multiple transmit modules in only 4U of rack space.

The transmitter utilizes a very high quality, low RIN laser with high output power, enabling both digital and analog return path signals to be delivered to the headend with high integrity. In addition, the narrow spectral line width of the laser minimizes fiber dispersion effects.

This transmitter module has standard output power levels ranging from 6 to 12 dBm . A -30 dB RF test point is conveniently located on the module's front panel for easy monitoring of the RF Input .

FEATURES & BENEFITS

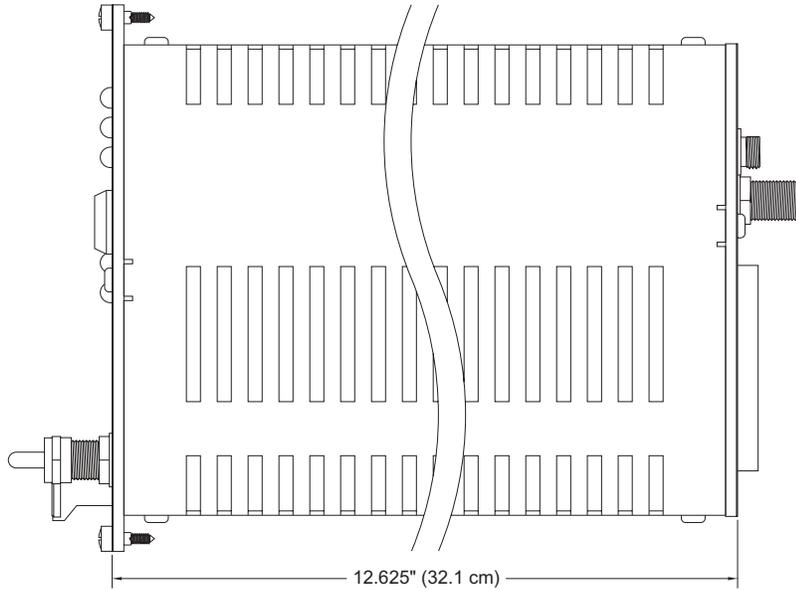
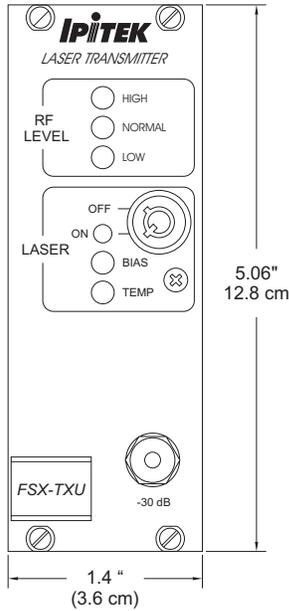
- 5 - 300 MHz
- 4 to 16 mW Output Power
- Versatile Plug and Play Flexibility
- Compact
- Convenient RF Test Point
- Modular Design

The transmitter may be specified with several optical connectors, including FC, SC, and E-2000, for the module's easy integration into your system.

The compact size of the FSX/DTX System Chassis, which house a series of modular components, including Upstream and Downstream Laser Transmitters and Upstream and Downstream Receivers, RF Amplifiers, Optical Fiber Amplifiers, Optical Switches, Power Supply(s) and Fan Bay, offer great flexibility and minimizes your spatial requirements.

Large available bandwidth, numerous output levels and economical design, coupled with IPITEK's commitment to quality, make this inexpensive return path transmitter system the choice for your optical transport needs.

MECHANICAL



SPECIFICATIONS

Performance (Based on 4T channels, 9% OMI)

Bandwidth:	5 - 300 MHz
CNR or Noise Power Ratio:	≥ 50 dB
CTB:	≤ -60 dB
CSO:	≤ -60 dB

Optical Interface

Optical Connector:	Single mode FC, SC or E-2000
Optical Output Power:	4-6mW, 6-8mW, 10-13mW, or 13-16mW
Optical Wavelength:	1310 nm ±30 nm

Electrical Interface

RF Input Level:	+20 dBmV/channel
RF Connectors:	F-type, 75 ohms
Input Impedance:	75 ohms
Input Return Loss:	≥ 16.0 dB
RF Test Point:	-30 dB from RF input level ±1 dB

Environmental

Operating Temperature:	0°C to 40°C
Storage Temperature:	-40°C to 70°C
Humidity:	5% to 85% non-condensing
Power Consumption:	18 watts

ORDERING INFORMATION

FSX-TXU	-	300	-	N13	-	LXX	-	XX	-	XX	-	X
12-SLOT FSX COMPATIBLE UPSTREAM TRANSMITTER		Bandwidth 3 = 5 - 300 MHz		Wavelength N13 = 1310 nm		Link Budget 06 = 6-8 dBm 08 = 8-9 dBm 10 = 10-11 dBm 12 = 11-12 dBm		RF Connector FT = F-Type		Optical Connector FC = FC SC = SC E2 = E-2000		Polish A = APC U = UPC
DTX-TXU	-	300	-	N13	-	LXX	-	XX	-	XX	-	X
10-SLOT DTX COMPATIBLE UPSTREAM TRANSMITTER		Bandwidth 3 = 5 - 300 MHz		Wavelength N13 = 1310 nm		Link Budget 06 = 6-8 dBm 08 = 8-9 dBm 10 = 10-11 dBm 12 = 11-12 dBm		RF Connector FT = F-Type		Optical Connector FC = FC SC = SC E2 = E-2000		Polish A = APC U = UPC



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IPiTEK reserves the right to modify product specifications without prior notification.