

FTO-3500-4T/R 5 Input Direct Broadcasting Fiber Optic Transmission

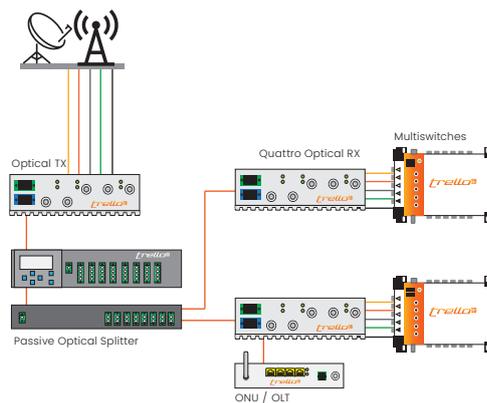
Technical Specification

Description	Optical Transmitter	Optical Receiver
	TFO-3500-4T	TFO-3500-4R
Power Supply	19V 2.5A Power adaptor	12V 1A Power adaptor
Dimension (mm)	175 × 75 × 38	175 × 75 × 38
Weight	± 3Kg	± 3Kg
Power Consumption	≤16 W	≤9 W
Temperature	-25 to +55 °C	-5 to +50°C
Storage Temperature	-40 to +85 °C	-40 to +85 °C
Humidity	≤95%	≤95%
Environmental	IP30	IP30
RF INPUT Port No.	5 (TV, VL, HL, VH, HH)	-
RF OUTPUT Port No.	-	5 (TV, VL, HL, VH, HH)
RF Connector	F-Female, 75 ohm	F-Female, 75 ohm
Fiber Port No.	2(Optical Output, OLT port optional)	2 (Optical Input, ONU port optional)
Optical Output Power	≥4dBm (1550nm)	-
Optical Rx Sensitivity	-	-14~+1dBm (1550nm)
Optical length	RF:1550nm	RF: 1550nm
	GPON: 1490/1310nm	GPON: 1490/1310nm
Optical Connector	SC/APC	SC/APC
LED information	Power on green LED	Power on green LED
	RF input power in the normal range on green LED	optical receiver ≥-15dBm green LED
Frequency Range	950 - 2150MHz	174 -806 MHz
Input Power Range (per transponder)	-55 to -25dBm	20 TV channels equalized at -55dBm to -35dBm
Max. Input (total aggregate)	-20dBm	-20dBm
Output Power (Max.)	-35±5dBm @Receiver optical Input -20dBm	20 TV channels equalized at -35±5dBm @Receiver optical Input -10dBm
Flatness in band	≤6dB	-
IMD 2nd order	≥32dB (two input tones at -20 dBm)	≥50dB (two input tones at -20 dBm)
IMD 3RD order	≥53dB (two input tones at -20 dBm)	-
Input port to port isolation	≥25 dB	-
Return loss	≥10 dB	-
Frequency accuracy	±150KHz	-

Features

- Indoor Aluminum housing
- 4 Polarities IF Transmission
- Optical receiver converting optical signal to 4 L-Bands RF and 1 TV RF
- One optical TX feeding up to 32pcs optical receivers
- Direct broadcasting with Non-cascading Optical Transmitter
- WDM option for GPON Integration
- Powered by external power adaptor

Application



Ordering Information

5 Input Direct Broadcasting Fiber Optic Transmitter, 1550nm and WDM Transmission Optical Length, SC/APC, with Aluminum housing
 Order Number: TFO-3500-4T

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm Transmission Optical Length, SC/APC, with Aluminum housing
 Order Number: TFO-3500-4R

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm and Integrated WDM Transmission Optical Length, SC/APC, with Aluminum housing
 Order Number: TFO-3500-4WR

Other Related Product

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length (4, 8, 16, 24, 32 Output Channels)
 Order Number: FTO-3530-34xx

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length and Integrated WDM (4, 8, 16, 24, 32 Output Channels)
 Order Number: FTO-3530-34xx-W

Standalone 5 Input Multiswitches (8, 12, 16, 24, 32 Channels)
 Order Number: TMS-55xxS

5 Input Power Amplifier
 Order Number: TAMP-5520