

## TECHNICAL DATASHEET

### Thor 1550nm Externally Modulated CATV RF Optical Transmitter

1550nm External Modulation Optical Transmitter for CATV (45-870 MHz)



The Thor 1550nm Externally Modulated CATV RF Optical Transmitter is a high performance broadcast-grade optical transmitter designed for long distance analog and digital CATV distribution networks. Utilizing external modulation technology at 1550nm, the system delivers superior CNR, low distortion, and extended fiber transmission distances. Ideal for HFC networks, headend distribution, and large-scale multi-node fiber deployments.

### Key Features

- 1550nm externally modulated optical transmitter
- Supports analog and digital QAM CATV signals
- High CNR and ultra-low distortion performance
- Designed for long distance fiber transport
- Compatible with EDFA amplification systems
- Rack mount professional 1U design

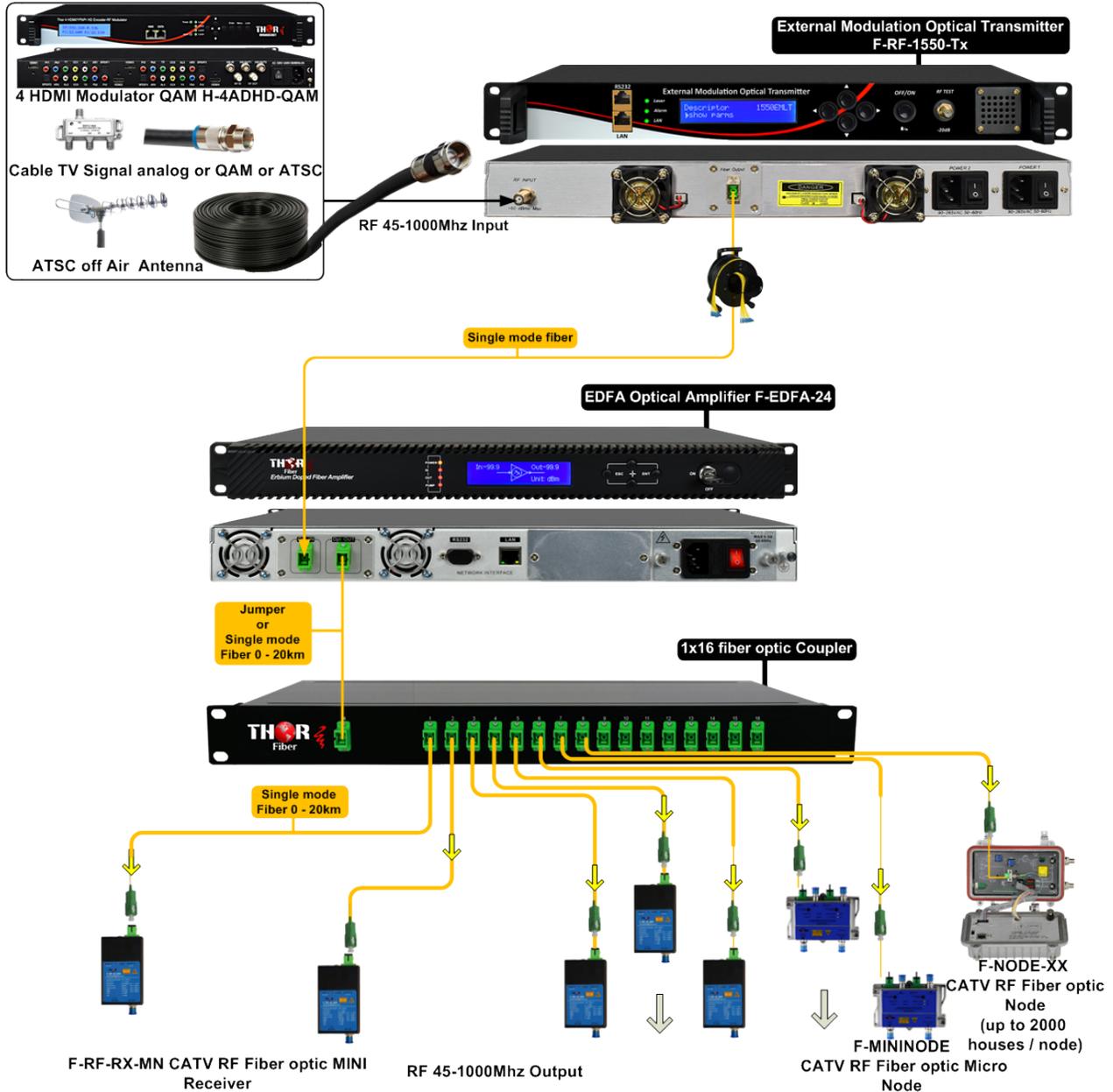


## Technical Specifications

RF / OPTICAL / MECHANICAL	
RF Frequency Range	45-870 MHz
RF Input	75 Ohm F-Type
Optical Wavelength	1550 nm
Modulation Type	External Modulation (EML)
Optical Output Power	Configurable, compatible with EDFA
CNR	> 51 dB (typical)
CTB	< -65 dB
CSO	< -60 dB
Operating Temperature	0 to 45 C
Power Supply	AC 90-250V
Form Factor	1U 19 inch Rack Mount

## Typical Application

### External Modulation Optical Transmitter CATV RF 45-870MHz Full Lineup



## Product Page QR Code



<https://thorbroadcast.com/product/1550nm-externaly-modulated-catv-rf-transmitter-analog-or-qam-8230.html>