

Fiber Satellite Optical Transmitter

This fiber satellite optical transmitter is compatible with GPON and EPON systems, ensuring versatility with any FTTx PON technology. It is designed for satellite optical systems, offering a wide operating frequency range and excellent linearity.



Product Overview

High-Performance Satellite Optical Transmission

This fiber satellite optical transmitter is engineered for robust satellite and terrestrial signal distribution over fiber optic networks. It supports a wide operating frequency range of 47-2150 MHz and is fully compatible with GPON, EPON, and other FTTx PON technologies. Designed for efficiency, the unit features a compact form factor, built-in CWDM, and supports both Quattro and QUAD LNB configurations.

Technical Specifications

Frequency Range	2150 MHz
Input Impedance	75 Ω
Input Level	75 \pm 10 dB μ V
Output Optical Power	4x +3dB
Input Optical Wavelength	1510-1570 nm

Power and Compatibility

LNB Power Supply	13/18 V
LNB Power Supply Current	350 mA
Power Consumption	8 W
Power Supply Input	20 VDC

Physical and Connectivity

Connectors

Interface	Type
RF Connector	F-female
Optical Connector	SC/APC
Power Supply Connector	F-female

Dimensions	195 x 135 x 45 mm
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Features

Key Features	CWDM Integrated, DFB Laser, Excellent Linearity, High Return Loss, 1-Core Single-mode Fiber Support, LNB Mode Switch, Power Indicator LED
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