



Main Feature:

- Frequency Range: 7/8GHz,13 GHz,15 GHz,18 GHz,23 GHz
- Capacity: STM1,100/1000M at Maximum 155Mb/s
- Modulation:128QAM/64QAM
- High linearity of the automatic power control
- High-performance FEC ,
- Anti-multi path fading capability, adaptive equalizer
- Mutiple baseband interface (electrical or optical)
- Powerful Network Management Capability and Flexible networking.
- Small size, light weight, high reliability, quick installation and easy maintenance.



Technical Specification

General:

- Channel Setting: LCD and remote hyper terminal
- EMC: ITU-R F.746-3、YD1138-2001
- Redundancy: 1+0 or 1+1
- Power Supply: DC: +24/-48V;
- Power Consumption: <75W (1+0)
<160W (1+1)
- Temperature Range: IDU: -10°C~+50°C,
ODU: -40~+55°C
- Relative humidity: IDU: 0~90%,
non-condensing; ODU: 0~100%
- Physical Dimension:
IDU: 44.5 cm W x 24.0 cm D x 4.4cm H (1RU)
ODU: 30.0 cm W x 5.6 cm D x26.5cm H(4.5G
or 6G), 267mm x89mm H(7G-38G)
- Weight: IDU: 4 Kg; ODU: 4.6 Kg(4.5G or
6G) ,4.6K(7G-38G)

Data Interface

- Baseband Interface: ITU-T G. 703 HDB3
- Monitoring Interface: RS-232/ RS-485
- LAN Interface: 10-100BASE-T

Transmitter:

- Modulation Type: 128QAM/64QAM
- Frequency and RF Output Power Level:
7/8GHz: 25dBm
13 GHz: 25dBm
15 GHz: 19dBm
18 GHz: 19dBm
23 GHz: 17dBm
- Frequency Stability: ± 10 ppm
- IF Output Frequency: 311.04 MHz

Receiver

- Noise Factor: ≤ 4 dB
- LO Frequency Stability: ± 10 ppm
- IF Input Frequency: 126 MHz
- AGC Range: ≥ 50 dB
- Received Threshold BER= 1×10^{-6}
STM-1 ≤ -74.5 dBm 64QAM
 ≤ -68 dBm 128QAM
- Residual BER: $\leq 1 \times 10^{-13}$

Service Channel

- Telephone service: 1 digital line
- Data service: 19.2kbit/s, RS-232/R-485

Monitor System

- Operating System: WIN2000/WINXP
- NMS Software

