

ZS-TX1000

CATV Optical Transmitter

1550nm, Direct Modulation, 3~10dBm



Product description

TX1000 series optical transmitter belong to new high performance 1550nm CATV optical transmitter. The height of the transmitter is 1U, it can mount on the 19" frame conveniently. The main devices adopt AOI · XT · JDSU DFB low noise which contains thermoelectric refrigerator, continuous wave transmitter. Because the key parts adopt international brands and system optimal control technology and SMNP network control technology by the company, then the whole technical performance indexes reach the similar imported equipment standard, supplying quality long distance transmission of images, figures or compressed digital signal to cable and telephone communications.

Features

- High quality: Original system optimal control technology, RF predistortion techniques make system getting largest CTB, CSO and SBS indexes when guaranteeing excellent performance.
- Flexibility: Laser emission and RF processing circuit adopt modular design mode, then the after sales service and foreign trader import entry become more convenient.
- Reliability: The 19 "1U standard rack, built-in high-performance switching power supply, it can work at 85 ~ 265Vac MS level automatic switch, chassis cooling can be automatic control by temperature.
- Intuition: Laser is the most expensive machine components, machine equipped with microprocessor monitors the working state of the laser, the panel LCD window displays the operating parameters.
- Network type: Select All-piece status monitoring transponder guarantees to meet the national standard and be compatible with the SCTE HMS standard, it enables network management to monitor capabilities.
- Double modules type: In the 19 "1U standard rack, there are one optical emission modules integrated to

save application space.

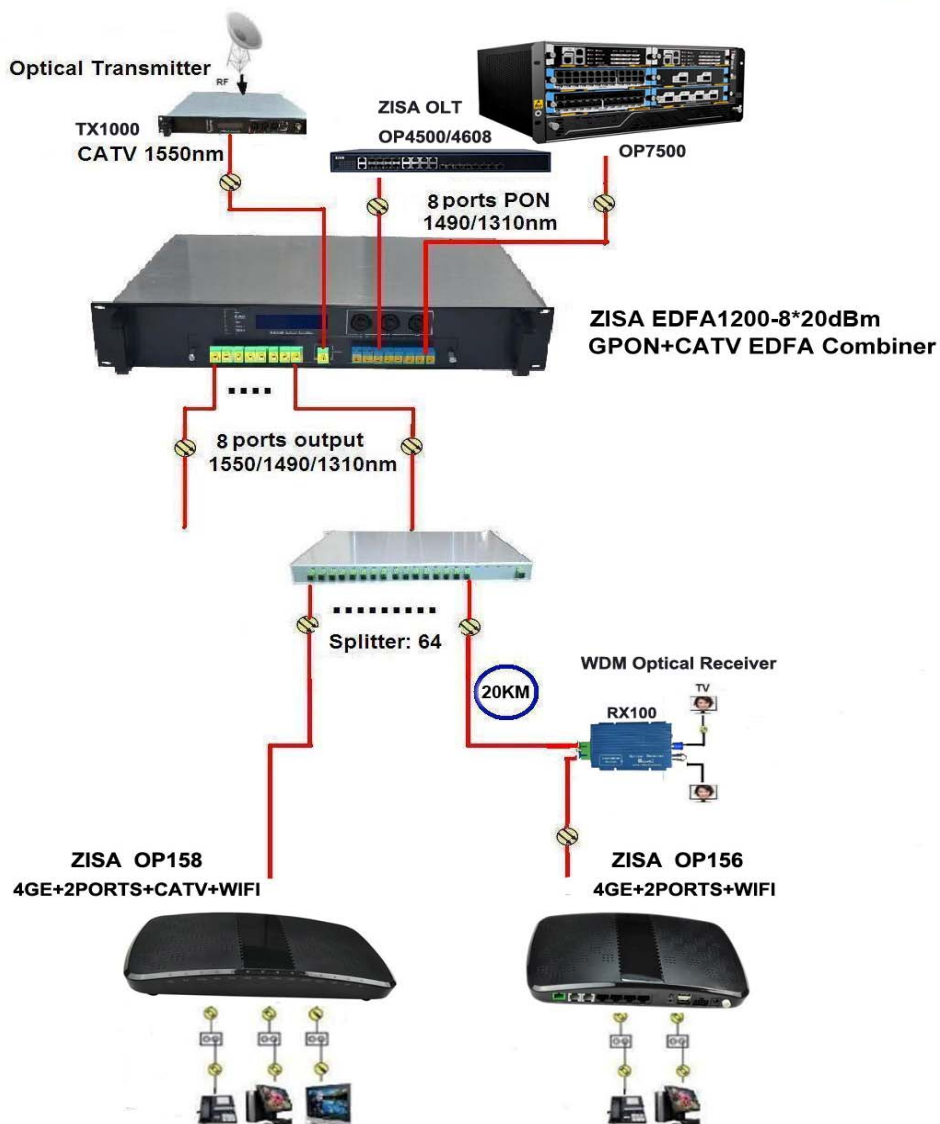
- Plug is draw-out type: switching power supply is draw-out type with aluminum profile structure, it helps greatly to cooling and replacement. Besides it can make dual supply cold-heat backup.

Specification

| No. | Item | Units | Parameter | Note |
|-----|------------------------------|-------|-------------------------------------|---------------------------------|
| 1 | Laser Type | | DFB | See specifications |
| 2 | Wavelength | nm | 1550±10 | |
| 3 | Optical Modulation | | Intensity Modulated | |
| 4 | Optical output power | mW | 2~10 | See specifications |
| 5 | The number of channels | N | 59 | |
| 6 | Optical Connector Type | | FC/APC or SC/APC | Specified before ordering |
| 7 | Frequency range | MHz | 47~750 (862) | |
| 8 | CNR | dB | ≥52.0 | |
| 9 | Flatness | dB | ±0.83 | |
| 10 | RF input level | dBuV | 78~88 | |
| 11 | C/CTB | dB | ≥65.0 | |
| 12 | C/CSO | dB | ≥65.0 | |
| 13 | RF input impedance | Ω | 75 | |
| 14 | RF Input Return Loss | dB | > 16(47~550)MHz > 14(550~862)MHz | |
| 15 | VCC | V | 90~265Vac | |
| 16 | Power | W | ≤50 | Single-supply operation |
| 17 | Working Temperature | °C | 0~50 | Automatic temperature control |
| 18 | Storage temperature | °C | -20~85 | |
| 19 | Working relative humidity | % | 20%~85% | |
| 20 | Size | " | 19"×15"×1.83" | (W) x (D) x (H) |
| 21 | Network management interface | | RJ45 | supporting The browser and SNMP |

Application

ZISA GPON CATV Solution



Products List

- TX1000D1 -3 output power , $\geq 3\text{dBm}$ (2mW)
- TX1000D1 -6 output power , $\geq 6\text{dBm}$ (4mW)
- TX1000D1 -8 output power , $\geq 8\text{dBm}$ (6mW)
- TX1000D1 -9 output power , $\geq 9\text{dBm}$ (8mW)
- TX1000D1-10 output power, $\geq 10\text{dBm}$ (10mW)

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