CATV+1Fe ONT/ONU

DESCRIPTION

XPON CATV+1Fe ONT/ONU series is fiber to the home multi service access GPON ONU. It's based on the mature, stable, high cost performance XPON technology and has gigabit Ethernet switching, WDMand HFC technology. XPON CATV+1Fe ONT/ONU series has a higher bandwidth, higher reliability, easy management and good quality of service (QoS) guarantee with technical performance of equipmentmeet the IEEE802.3ah requirements and have good compatibility with thirdparty manufacturers OLT.

XPON technology is a kind of emerging technology which takes advantage of PON technology and Ethernet technology also is a kind of point to multi-point network technology. OLT through the passive optical network to connect multiple ONU with single fiber bidirectional technical can rarely used fiber resources to meet the operators of the multi-user access requirements.

It adopts single fiber WDM technology with downlink wavelength 1550nm , uplink wavelength 1310nm It only needs one-core fiber to transmit data and CATV service.

Functional Feature

CATV

Item	Parameter
Wavelength	1310-1550nm
Optical return loss	>45dB
Input optical power	-18dBm~0dBm
RF frequency	47MHz~1000MHz
RF output lever	≥78dBuV (@-12~-2dBm@85MHz)
AGC control accuracy	<±1db
Flatness	<±1.5db
CNR	>41dB (@-10dBm@DS22 Channel)
CSO	>60dBc (@-10dBm@DS22 Channel)
CTB	>60dBc (@-10dBm@DS22 Channel)
RF output return loss	>14dB
RF impedance	75Ohm
AGC function	Support

FEATURES

Item	Parameter
PON Interface	1*GPON port, FSAN G.984.2 standard, Class B+ Downstream Data Rate:2.488Gbps Upstream Data Rate:1.244Gbps SC/APC single mode fiber 28dB Link loss and 30KM distance with 1:128
User Ethernet Interface	1*10/100/1000Mauto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance 1 RF output Female F-Type Connector
Power Interface	12V DC Power supply
PON Optical Parameter	Wavelength: Tx 1310nm, Rx1550nm Tx Optical Power: 0~5dBm Rx Sensitivity: -27dBm Saturation Optical Power: -8dBm Connector Type: SC/APC Optical Fiber: single-mode fiber
Data Transmission Parameter	PON Throughput: Downstream 2.488Gbit/s s; Upstream 1.244Gbit/s Ethernet: 1000Mbpss Packet Loss Ratio: <1*10E-12 latency: <1.5ms
Business Capability	Layer 2 wire speed switching Support VLAN TAG/UNTAG,VLAN conversion Support Port-based speed limitation Support Priority classification Support storm control of broadcast Support loop detection
Network Management	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Standard compliant OMCI interface as defined by ITU-T G.984.4 Support WEB management
Management Function	Status monitor, Configuration management, Alarm management, Log management
Shell	Plastic casing
Power	<5W, 12V/0.5A power supply adapter
Physical Specifications	Item Dimension:160mm(L)*120mm(W)*32mm(H) Item weight:0.3kg
Environmental Specifications	Operating temperature: 0 to 50ºC Storage temperature: -40 to 85ºC Operating humidity: 10% to 90%(Non-condensing) Storage humidity: 10% to 90%(Non-condensing)

ORDER INFORMATION

P/N	Description
CON-1132	CATV+1Fe ONT/ONU