

EPON ONU with 1FE Port and CATV RF Port

This EPON ONU is compliant with IEEE802.3ah, YD / T 1475-2006 and CTC 2.1 standards. It has one FE port and one CATV RF port with CWDW.



Overview

High-Performance EPON ONU for Triple Play Services

The PTF1331 is a versatile EPON ONU designed to meet the demands of modern CATV networks by delivering high-speed data and television signals over a single fiber. It features integrated CWDW technology to support three wavelengths (1310/1490/1550nm), ensuring efficient bandwidth utilization and simplified infrastructure. With advanced management features like VLAN stacking and IGMP Snooping, it provides a robust and cost-effective solution for service providers.

Key Features

Performance Highlights

1 FE

Fast Ethernet Port

1

CATV RF Port

8 K

MAC Address Table

4094 IDs

VLAN Support

Technical Standards

Compliance Standards

IEEE802.3ah, YD/T 1475-2006, CTC 2.1

Optical Specifications

Supported Wavelengths

- 1310nm (Data Upstream)
- 1490nm (Data Downstream)
- 1550nm (CATV Signal)

Network Capabilities

Layer 2 Functions

- VLAN stacking (QinQ)
- Port isolation
- MAC address restriction
- 802.1w (RSTP) Spanning Tree Protocol
- IGMP Snooping (CTC controllable multicast)

Management & Quality of Service

QoS Scheduling Algorithms

SP • WRR • SP + WRR

Management Interfaces

- Telnet
- CLI (Command Line Interface)
- Remote software upgrade
- Dying Gasp support

Hardware Interfaces

Interface Configuration

Port Type	Quantity	Function
LAN (FE)	1	10/100Mbps Ethernet connectivity
CATV RF	1	Television signal output
PON	1	Single fiber input with CWDW