



Alcatel 7340 P-OLT

Packet Optical Line Terminal | Release 1.0



The Alcatel 7340 Packet Optical Line Terminal (P-OLT) is a key component of the Alcatel 7340 Fiber to the User (FTTU) solution. Capitalizing on Alcatel's leadership in wireline and wireless broadband access technology, the Alcatel 7340 FTTU platform enables service providers to cost-effectively deliver high revenue, next generation broadband services today, over a single optical fiber. The scalability of the Alcatel 7340 P-OLT makes it ideal for initial network rollout and widespread deployment.

The Alcatel 7340 P-OLT provides concentration and switching functionality between the network and the passive optical networking (PON) interfaces. It is managed by the Alcatel 7340 Access Management System (AMS), and can be housed in the central office (CO), or deployed remotely.

Key Features

- > Cost-effective broadband over a single optical fiber
- > Scalability makes it ideal for initial rollout and widespread deployment
- > Managed by the Alcatel 7340 AMS
- > Works in conjunction with the Alcatel 7340 Home Optical Network Terminal (H-ONT) to provide a complete optical access solution

High revenue, next generation broadband services over a single optical fiber



Technical Summary

Network Interfaces

- > 622/155 Mb/s broadband passive optical network (BPON) interface
- > Wave division multiplexing (WDM), using 3 wavelengths for high capacity
- > OC-3C SONET network interface
- > OC-12C SONET network interface (upgradable)
- > EIA-232 serial craft ports for local maintenance
- > Connection through network interface for the Alcatel 7340 AMS

System Configuration

- > Single-shelf base configuration
- > 2 network termination (NT) modules with 1+1 protection
- > 18 PON line termination module (PLT-2) slots
- > 2 PON ports per PLT-2
- > 32 H-ONTs supported per PON
- > Alarm control unit (ACU)
- > Shares common components with the Alcatel 7300 ASAM

Capacity

- > High capacity backplane (10+ Gb/s)
- > 1,152 subscribers per shelf

Protocols

- > G.983.1, G983.2 and G983.3 BPON
- > ONT Management and Control Interface (OMCI) for PON management channel
- > SONET ATM

QoS

- > ATM QoS classes supported: UBR and CBR standard, VBR and GFR upgradable

Standards

- > NEBS-3 compliant
- > UL certified

Physical Description

- > Height: 48.9 cm (19.25 in.) (1.1 RU)
- > Width: 58.4 cm (23 in.)
- > Depth: 30.4 cm (12 in.)
- > Up to three shelves can be housed in a single 2.1 m (7 ft.) rack

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