



Alcatel 7340 H-ONT Home Optical Network Terminal (ANSI Version) | FGU 2.0, 2.1



The Alcatel 7340 Home Optical Network Terminal (H-ONT) is a key component of the Alcatel 7340 Fiber to the User (FTTU) solution. Capitalizing on Alcatel's leadership in wireline 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. This standards-based device supports multiple voice and data networking interfaces, dedicated video overlay for analog and digital cable television (including HDTV), direct broadcast satellite, and baseband digital video.

The Alcatel FTTU 7340 H-ONT easily installs on the outside of a customer's dwelling, serving as a demarcation point between network and subscriber interfaces.

Key Features

- > FSN standards compliant triple play (voice, data, video) solution
- > Cost-effective services over a single optical fiber
- > Fully interoperable with existing home wiring and CPEs (telephones, PC Ethernet, TV coax)
- > Quality of service (QoS) for all services and Dynamic Bandwidth Assignment (DBA) for increased throughput
- > Compact size increases installation options
- > Remotely managed by the Alcatel 5526 Access Management System (AMS) or Alcatel 5528 Web-based Access Manager (WAM)
- > Works in conjunction with the Alcatel 7340 Packet Optical Line Terminal (P-OLT) to provide a complete optical access solution
- > Environmentally hardened for deployment outdoors in extreme conditions

Installs easily — ideal for initial rollout and widespread deployment



Technical Summary

Management

- > Power, PON, Link status LEDs
- > ITU G.983.2 management support for configuration and performance monitoring
- > Managed by the Alcatel 5526 AMS

Network Interface

- > 622/155 PON interface
 - single mode fiber (SC/APC connector)
- > ITU-T G.983.1 and G.983.3 compliant
- > Supports enhanced wavelength for video applications
- > 32 ONTs supported per PON

Service Interfaces

- > 1 10/100Base-T Ethernet interface
 - CAT3 or better UTP Cable (RJ-45 connector)
- > POTS Voice
 - 4 plain old telephone service (POTS) ports (Screw terminal connectors)
- > Video
 - single port (75 Ω F connector) for RF video delivery

Gateway and OLT Compatibility

- > Alcatel 7340 P-OLT
- > General Bandwidth G6 voice gateway

Voice Parameters

- > Loop start line
- > G.711 and G.726 (ADPCM) voice encoding
- > G.168 echo cancellation
- > Ringing: 40 VRMS, 5 REN/line max
- > Off-hook DC current: 25 mA
- > Line Impedance: 600 Ω , 500 Ω DC Supervisory range

ATM Traffic Management

- > Supports CBR, rt/nrt-VBR and UBR traffic classes

ATM Adaptation

- > Ethernet:
 - AAL5
 - 4 VC capacity (RFC 2684 bridged mode)
- > Voice adaptation:
 - AAL2
 - broadband loop emulation service (BLES), ATM Forum VMOA-145

Alarms

- > Battery backup:
 - status (On/Low/Faulty/Missing) – can transmit the status to P-OLT

Power

- > Local powering
- > Compatible with American Power Conversion (APC) integrated AC converter/charger
- > 120 V AC input
- > 12 V DC output – low voltage
- > Up to 8 hours battery backup
- > Commercially sealed lead acid battery
- > Visual status indicator
- > UL Certified
- > Battery status monitored by Alcatel 5526 AMS

Regulatory Approvals

- > UL
- > FCC Part 15, subpart B, Class A
- > NEBS

Physical

- > Indoor or outdoor deployable
- > Locked fiber access for installation and maintenance

Dimensions

- > Height: 12.1 in. (30.73 cm)
- > Width: 13.0 in. (33.02 cm)
- > Depth: 3.875 in. (9.84 cm)
- > Weight: 8 lbs (3.63kg)

Environment

- > Operating temp range:
 - -40 C to 46 C (-40 F to 115 F) with max solar load]
 - -40 C to 60 C (-40 F to 140 F) without solar load
- > Maximum operating altitude: 10,000 ft (3,048 m)
- > Maximum non-operating altitude: 40,000 ft (12,192 m)
- > Relative humidity (non-condensing) range: 5% to 95%

For more information on the Alcatel FTU solution, visit www.alcatel.com/fttu

www.alcatel.com

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