



## Alcatel 7340 B-ONT

### Business Optical Network Terminal (ANSI Version) | FGU 2.0, 2.1

The Alcatel 7340 B-ONT is part of the industry leading Alcatel 7340 FTTU solution for fiber access. It enables service providers to deliver integrated high-speed data, voice and video services to small and medium-sized businesses (SMB) over a passive optical network (PON) infrastructure. As a result, service providers can cost-effectively deliver foreign exchange station (FXS), DS1, analog and digital video and high-speed Ethernet services. With ATM-based traffic management capabilities, a customer's service level definition is easily configured and managed using the Alcatel 5526 Access Management System (AMS) providing a graphical view of the FTTU network elements.

The Alcatel 7340 B-ONT is compliant with the full service access network (FSAN) standards for fiber access. The system design significantly enhances price, performance, and scalability from the first generation B-ONT and is unmatched by its competitors. The system not only allows a suite of interfaces today but also has the flexibility to support additional interfaces to meet all business needs. It can be deployed indoors or outdoors — all in a carrier-class NEBS certified platform.

The Alcatel 7340 B-ONT operates on the same PON with the Alcatel H-ONT platform, allowing service providers to deploy both residential and business services on the same PON. This makes it ideal for suburban communities with clusters of homes and businesses.

Installation is simple: mount the unit, connect to the network and to the existing building wiring, and plug in the power. Environmentally secure packaging allows flexibility for either indoor or outdoor deployments. Integrated testing capabilities also offer a powerful tool for remote management and problem determination without initiating costly truck rolls. Uninterrupted service is supported through the APC CP-50 battery backup product family.

### Key Features

- > Single fiber for voice, video and data — enhanced wavelength (1550 nm) supported for video applications
- > Full service access network (FSAN), ITU 983.1/2/3 compliant
- > Traffic management capabilities — allows quality of service (QoS) and service level agreement (SLA) enforcement.



Optimized for the delivery of broadband business services.



## Technical Summary

### Management

- > Power, Battery, PON, Ethernet, DS1 status LEDs
- > ITU G.983.2 management supported for configuration and performance monitoring
- > Managed by the Alcatel 5526 AMS

### Network Interface

- > 622/155 PON interface
- > ITU-T G.983.1 and G.983.3 compliant
- > Supports enhanced wavelength for video applications

### Service Interfaces

- > 1 10/100Base-T Ethernet interface
  - future release: up to 12 10/100Base-T Ethernet interfaces
  - CAT3 or better UTP Cable
- > DS1
  - 1 or 4 DS1 interfaces
  - future release: up to 12 DS1
  - future release: E1 support
  - software configurable
  - supports loopback for FDL and in-band codes
- > XDSL
  - future release: up to 12 xDSL interfaces
- > POTS Voice
  - 8 FXS line interfaces
  - future release: 24 FXS line interfaces
- > Video
  - single F connector for RF video delivery
- > Input power terminal block
- > Grounding
  - clamp connector for 12 AWG

### Network Standards

- > IP over ATM AAL5: RFC 2684 (bridged mode)

### Gateway and OLT Compatibility

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

### Voice Parameters

- > FXS loop start
- > G.711 and G.726 (ADPCM) Voice Encoding
- > G.168 echo cancellation (16 msec)
- > Ringing: 60 VRMS, 10 REN max, 5 REN/line max
- > Impedance: 600  $\Omega$  +2.16  $\mu$ F, 900  $\Omega$  +2.16  $\mu$ F
- > Gain/Loss: +6 dB to -12 dB in 1 dB increments
- > GR-909 Metallic Loop Test Support

### ATM Traffic Management

- > Supports CBR, rt/nrt-VBR and UBR traffic classes
- > Per VC queuing
- > Buffer management:
  - early packet discard
  - partial packet discard
  - cell discard (CLP)

### ATM Adaptation

- > DS1 adaptation
- > AAL1 CES, unstructured
  - future release: structured support
- > Software configurable
- > Ethernet:
  - AAL5
  - 15 VC capacity (bridged mode)
- > Voice Adaptation
  - AAL2
  - broadband loop emulation service (BLES), ATM Forum VMOA-145

### Alarms

- > Battery backup
  - including visual battery replacement alarm
- DS1
- video

### Power

- > +48 V DC with standard AC adapter
- > Compatible with American Power Conversion (APC) CP50 integrated AC converter/charger

### Regulatory Approvals

- > USA
  - UL60950
  - FCC CFR 47, Part 15, subpart B for Class A digital devices
  - CDRH Laser Classification
  - NEBS for type 4 equipment
- > Canada
  - ICES-003 Class A digital devices

### Physical

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

### Dimensions

- > Height: 17.5 in. (44.45 cm)
- > Width: 14.0 in. (35.56 cm)
- > Depth: 5.0 in. (12.7 cm)
- > Weight: 16 lb (7.26 kg)

### Environment

- > Operating temp range: -40 F to 122 F (-40 C to 65 C)
- > 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%

### Accessories

- > AC adapter

For more information on the Alcatel FTU solution, visit [www.alcatel.com/ftu](http://www.alcatel.com/ftu)

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