

Exxtenz Platform

Release 2.0

PON Optical Network Terminal (ONT) Fiber-To-The-Premises (FTTP) Applications

The new standard for delivery of integrated voice and data business services over PON

The Exxtenz™ product family is an Alcatel-compatible ONT that enables service providers to deliver integrated high-speed data and voice services to small and medium-sized businesses (SMB) over a PON (Passive Optical Network) infrastructure. As a result, service providers can cost-effectively deliver POTS, multi-DS-1, video and high-speed Ethernet services.

With ATM-based traffic management capabilities, a customer's service level definition is easily originated, configured and managed through Alcatel's 7340 Element Management System (7340 AMS) providing a graphical view of the PON elements. The Exxtenz platform is compliant with the Full Service Access Network (FSAN) standards.

This industry-leading platform dramatically reduces service delivery capex with price, performance, and scalability that are unmatched by its competitors. Capex savings are achieved via Exxtenz' service scale that includes POTS, DS-1, Ethernet, RF video services. The Exxtenz architecture allows for lowest cost deployment and service-mix fulfillment via existing management systems, and a single product family to meet all business applications. Opex savings result from the Exxtenz flexible design that supports indoor and outdoor deployments and FSAN-compliant integrated management — all in a carrier-class NEBS-certified platform.

The Exxtenz provides 622/155 Mbps bandwidth with up to 32 ONTs supported on a single PON. The ability to support up to 32 ONTs from a single fiber trunk makes PON technology a truly cost-effective way for service providers to deliver integrated voice and high-speed data services to the SMB market. The platform can be configured to deliver a combination of POTS, DS-1/E1, video and 10/100Base-T Ethernet interfaces. In addition, the Exxtenz can operate on the same PON with the Alcatel's H-ONT platform, allowing service providers to deploy both residential and business services on the same PON.

The unit is compatible with the American Power Conversion (APC) CP-50 battery backup product family providing power for uninterrupted service.

Installation is simple: mount the unit, connect to the network and to the existing building wiring, and plug in the power. Exxtenz' environmentally secure packaging allows flexibility for either indoor or outdoor deployments, all with the same platform. Integrated testing capabilities also offer a powerful tool for remote management and problem determination without initiating costly truck rolls.

Key Features:

- Compatible with the Alcatel 7340 P-OLT™ and 5526 AMS™
- Single fiber APON (622/155 Mbps) bandwidth for voice, video and data
 - Enhanced wavelength supported for video applications
- Full Service Access Network (FSAN), ITU 983.1/2/3 compliant
- Environmental enclosure allows mounting on either indoor or outdoor wall of building
- Flexible service options that include FXS, DS-1, 100BT Ethernet and RF Video
- 100Base-T Ethernet
 - 40 Mbps performance (RFC-2684 bridged mode)
- Supports G.983.2 integrated management
- Prioritization capabilities support multiple priority levels for a customer
- Bandwidth management capabilities allow enforcement of Service Level Agreements (SLA)



CarrierAccess™

