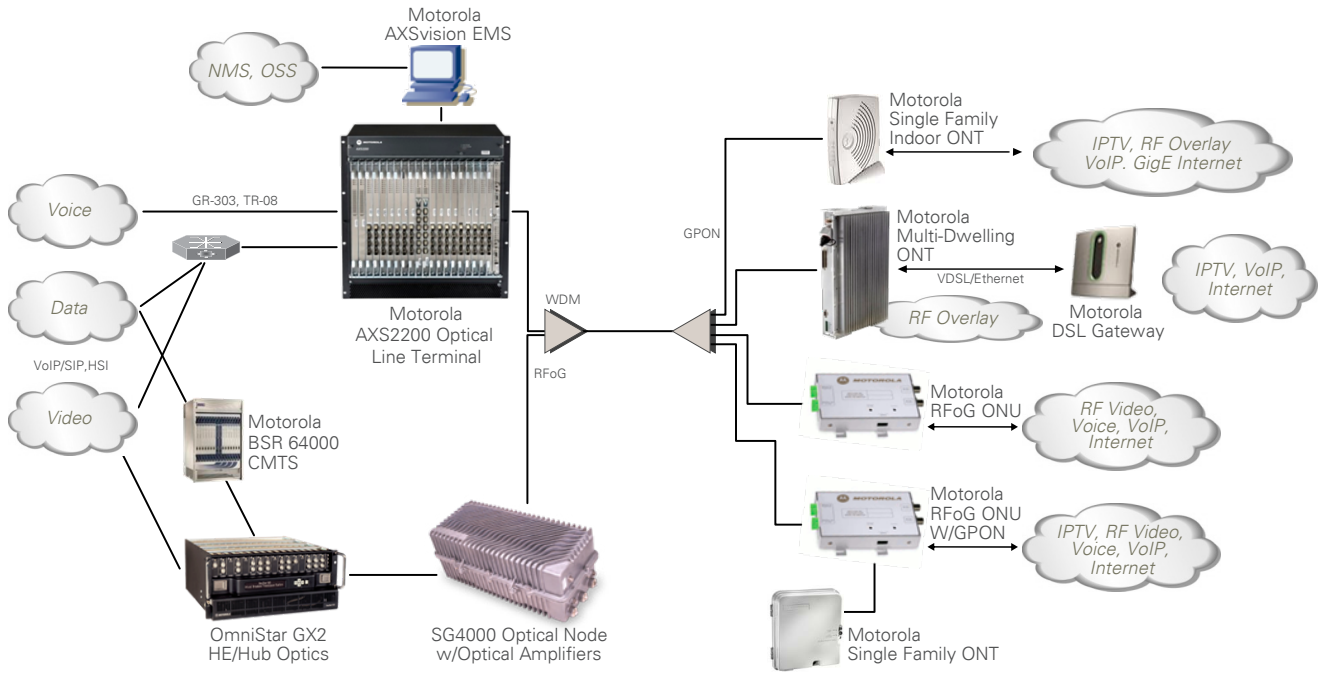
BROADBAND EVERYWHERE

Motorola Fiber-to-the-Home Solutions for Europe, the Middle East, & Africa



Experience the Motorola difference. Motorola offers established and innovative access solutions that enable service providers to deliver Ultra-Broadband voice, video, and data services.

Motorola Optical Line Terminal (OLT)

Next Generation Optical Access Platform

AXS1800 GPON OLT

Motorola's AXS1800 OLT extends fiber to the edge of service provider networks to enable the delivery of end-to-end Ultra-Broadband services to single family, small office, and multi-dwelling units. The AXS1800 provides superior capacity for growth in services such as HDTV, HD video on demand (VOD), and time-shifted television. The AXS1800 supports up to 3,584 subscribers with 18 slots, and is designed to meet the specifications and regulations of international markets. Proven to be reliable in tier one service provider networks across the globe, Motorola's AXS1800 OLT helps service providers stay ahead of consumer demand for high quality personalized communication and entertainment experiences.

AXS1800 GPON OLT

System Features:

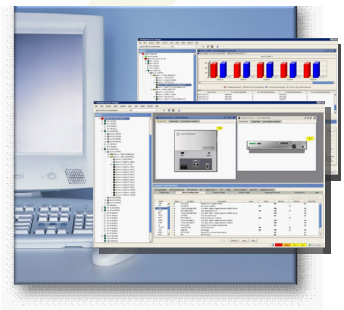
- Symmetrical Throughput – Hundreds of megabits simultaneously in downstream and upstream
- Video Optimized Design – Sustained full bandwidth to subscribers with superior capacity for growth in HD unicast services such as VOD and time-shifted television
- Quality Voice – High quality and reliable delivery of legacy voice services with an integrated voice gateway
- Service Delivery Flexibility – Rapid IPTV video deployment
- Proven Solutions – Deployed, operational, and scaled in tier one service provider networks
- Scalability – Enables FTTH deployments from hundreds to thousands of subscribers
- Advanced Configuration Management Tools – Reduces operational cost to connect and maintain subscribers

AXSvision Element Management System

The AXSvision Element Management System unleashes the power of Motorola's next generation FTTH solutions by simplifying and speeding the creation and delivery of new personalized entertainment and communications services.

AXSvision Offers:

- Advanced Configuration Management Tools – Modifies service profiles without affecting service and providing self-service to subscribers
- Fully Automated Provisioning – Drives automated installation and reduces the costs to pass and connect
- Preemptive Maintenance – Identifies soft failures before they impact system performance
- Focused Diagnostics – Obtains information that assists in dispatching the right skill sets and equipment to quickly resolve problems
- Intelligence at the End Points – Remotely performs common to complex maintenance procedures
- Sophisticated Embedded Software Administration – Automatically keeps thousands of network elements up to date
- Scalability – Designed to support large scale deployments of over a million subscribers and hundreds of simultaneous users and sessions, as well as a scaled down version for smaller operators



AXSvision

Motorola Optical Network Terminals (ONTs)

Flexible Service Delivery Options

Motorola GPON Optical Network Terminals (ONTs) extend fiber to the edge of service provider networks to enable the delivery of end-to-end Ultra-Broadband services to subscribers, anywhere. Motorola's ONT solutions feature Ultra-Broadband delivery of rich entertainment services to every end user.

In-Home Units

SF21000 / SF21100

SF21000 and SF21100 Single Family Units

Motorola's SF21000 and SF21100 are small form factor, indoor single family GPON ONTs. They are based on open standards and deliver Ultra-Broadband services. The SF21000 delivers IPTV and high speed Internet access; the SF21100 delivers high quality voice-over-IP, IPTV, and high speed Internet access. Both ONTs utilize a single fiber optic connection to the home. The SF21000 supports one GbE; the SF21100 supports one GbE and one telephone interface. This ONT can be wall mounted or placed on the desktop.

SF24200 / SF24210

SF24200 and SF24210 Single Family Units

Motorola's SF24200 and SF24210 are indoor single family GPON ONTs. They are based on open standards and deliver Ultra-Broadband services. The SF24200 delivers high quality voice-over-IP IPTV, and high speed Internet access; the SF24210 delivers high quality voice-over-IP, IPTV, RF Overlay, and high speed Internet access. Both ONTs utilize a single fiber optic connection to the home. The SF24200 supports one GbE, three FEs, two telephone interfaces; the SF24210 supports one GbE, three FEs, two telephone interfaces, and one RF interface. Both ONTs have integrated fiber management and support up to two optional internal lithium ion batteries for power backup. Both ONTs can be wall mounted or placed on the desktop.

ONT1400GTI

ONT1400GTI Single Family Unit

Motorola's ONT1400GTI is an indoor single family GPON ONT. It is based on open standards and delivers Ultra-Broadband services. The ONT1400GTI delivers high quality voice-over-IP, RF Overlay, IPTV, and high speed Internet access – via a single fiber optic connection to the home. In addition to support for RF video, the ONT1400GTI supports two GbE interfaces and two telephone interfaces. This ONT has integrated fiber management and can be wall mounted or placed on the desktop.

ONT1120GE

Business and Residential Data Unit

ONT1120GE Desktop Intelligent Fiber-to-the-Premises Services Platform
The ONT1120GE provides a desktop FTTP solution for business or Ethernet-only residential applications. This product allows for Ultra-Broadband service directly to the desktop allowing for the delivery of IPTV – voice, video, and data services over a single fiber.

ONT6000GVT

Multi Dwelling Units

ONT6000GVT and ONT6000GET Multi-Dwelling Units
The ONT6000 GPON multi-dwelling unit (MDU) series deliver RF video and POTS to 12 subscribers and includes two service delivery options (GbE and VDSL2). Both MDUs feature a hardened two rack unit housing that has several convenient indoor and outdoor mounting options which include in-cabinet, rack, or wall mount.

ONT6000GVT: Features 12 VDSL2 interfaces for the delivery of IP service over CAT 3 cabling and 24 POTS ports
ONT6000GET: Features 12 GbE interfaces that deliver IP service over CAT 5 cabling and 24 POTS ports

Motorola FTTH Solution Portfolio

GPON OLT & Components	
AXS1800 OLT	19" / 500mm 14RU GPON 18 slot 1500W/-48Vdc chassis, includes variable speed fan tray, redundant power filter, universal slots.
Switch Fabric	Non blocking 200 Gb/s Switch Processor card, includes 6x 1 GbE SFP and 1x 10 GbE XFP WAN ports, BITS timing. Use 2x cards for redundancy.
GPON Card	Four port 2448/1224 Mbps SMF GPON interface card. Supports up to 256 subs using 1:64 optical split. Up to 14x cards per OLT-AXS1800.
Additional WAN	WAN card 10GbE or 10 x 1 GbE interface. Used to extend the WAN capacity provided by the Switch Fabric. WANA card can be installed in any GPON slots.
Controller Card	System controller card, alarm, and redundant management interfaces. Use 2x cards for redundancy.
GPON ONTs	
Data ONT	ONT1120GE : Wall mount / desktop data only GPON with 4x GbE, SC/APC wholesale, enterprise, or data only applications. SF21000 : Wall mount / desktop data only GPON with 1xGbE.
Triple Play ONT	SF24210: Wall mount / desktop GPON ONT with 1GE+3FE, 2 VoIP and RF overlay. Optional integrated battery backup. SF24200: Wall mount / desktop GPON ONT with 1GE+3FE, 2 VoIP. Optional integrated battery backup. SF21100: Wall mount / desktop data only GPON with 1xGbE, 1 POTS.
ONT6000GET	Outdoor triple play GPON ENET MDU ONT with 24x POTS, 12x GbE, Sync E, +33dBmV RF video, MOT-RPD, OPTI/APC or SC/APC. Requires 48Vdc BBU. Indoor and outdoor cabinets and rack mount brackets available.
ONT6000GVT	Outdoor Triple Play GPON VDSL2 MDU ONT with 24x POTS, 12x VDSL2-30A, internal POTS splitters, +33dBmV RF video, MOT-RPD, OPTI/APC or SC/APC. Requires 48Vdc BBU. Indoor and outdoor cabinets, wall brackets, and rack mount brackets available.
Element Management System	
AXSvision	Performance optimized management system to support up to 50OLTs and 100,000 ONTs.
AXSvision Light	Performance optimized management system to support up to 5 OLTs, 10,000 ONTs.

MOTOROLA

motorola.com/ftth

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