The Alcatel 7350 ASAM offers the power of ATM switching along with DSLAM capabilities. It is ideally suited when both an ATM switch and multiservice DSLAM are required at the same location. The 7350 ASAM supports advanced IP as well as current voice and data services, and is ideally suited for the delivery of high-end broadcast video services.

The 7350 ASAM is a cost-effective platform – even when compared with first generation DSLAMs – that enables efficient market expansion with maximum return on investment.

The 7350 ASAM enables service providers to expand their service footprint cost-effectively and rapidly, by moving the IP/ATM multiservice switch functionality out of the network core and into the access network.

Scalable, cost-effective, high density, next generation access platform ideally suited for delivering broadcast video services

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Network management can be provided using the industry leading family of Alcatel network and service management products, including the powerful Alcatel 5620 Network Manager, through the local management port or remotely using SNMP.

Key Benefits

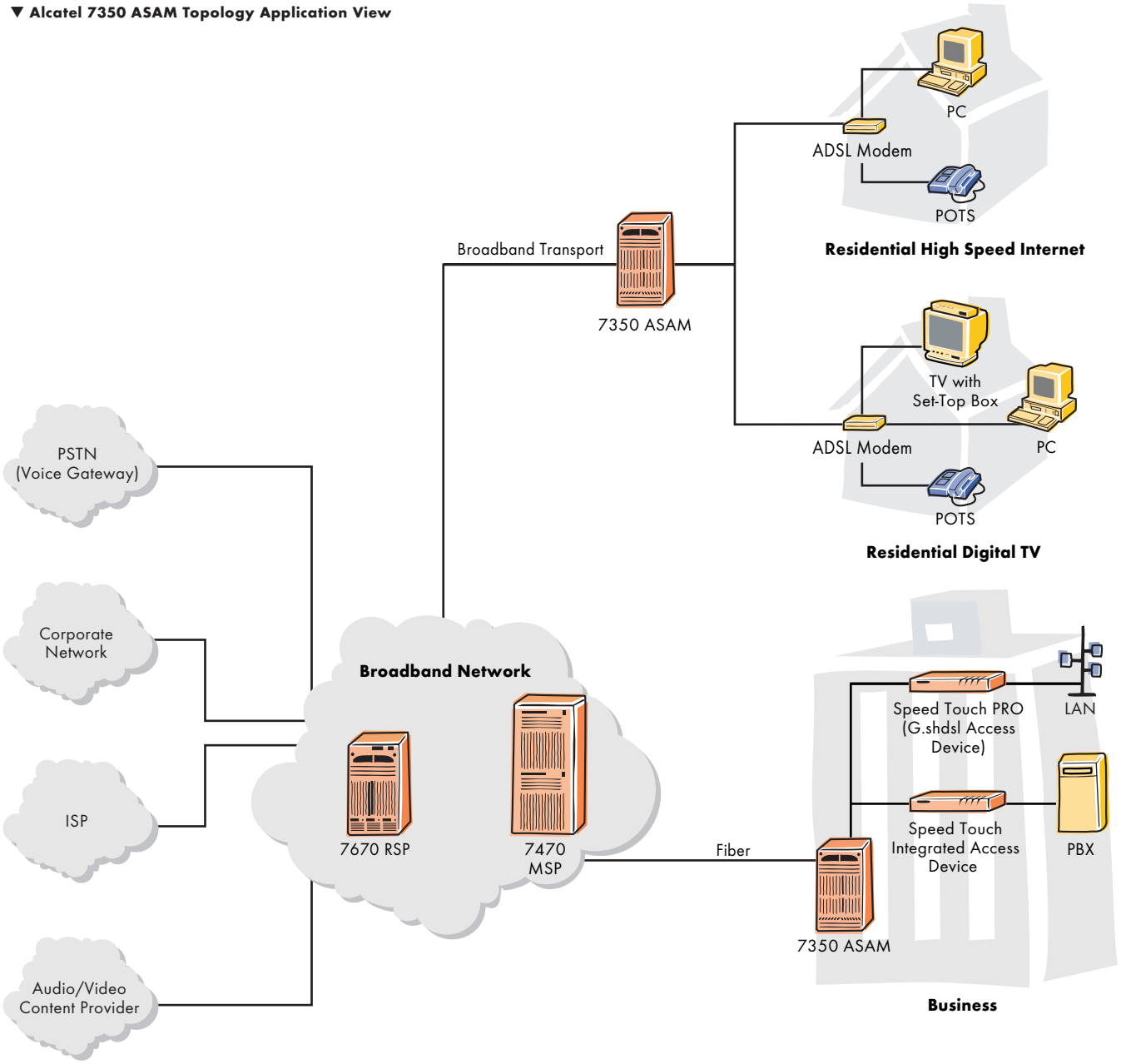
The Alcatel 7350 ASAM is ideal for high density, carrier scale broadband access networks to support the delivery of services over ADSL, IDSL, SDSL and G.shdsl.

Additionally, cell relay, frame relay, circuit emulation, IP, voice, and broadband supplementary services are supported via a suite of 40 different transmission interfaces.

The 7350 ASAM enables local loop consolidation of access technologies. The 7350 ASAM ensures cost-effective deployment, whether located at the network edge; collocated with other equipment at points of presence; or installed in remote sites in outside plant enclosures, multitenant office buildings or multiple dwelling residential locations.

Future releases of the 7350 ASAM will support multiprotocol label switching (MPLS).

▼ **Alcatel 7350 ASAM Topology Application View**



Technical Summary

Features

- Supports 40 different transmission interfaces
- Fully redundant control and non-blocking ATM switching fabric
- Switching throughput in 1.6 Gb/s increments
- 1:1 automatic protection switching (APS) for SONET/SDH OC-3/STM-1 and OC-12/STM-4 trunking
- Point-to-point or point-to-multipoint connections
- Metallic test access (MTA) and parametric line testing
- Static routing
- ATM Forum PNNI v1.0 Dynamic Routing

Architecture

- Operates either as a standalone node or as a peripheral to the 7470 Multiservice Platform
- Up to 12 universal card slots per node in single shelf configuration, with up to 94 slots in multishelf configurations
- 2 hub card slots
- Per slot capacity from 1 to 64 ports
- Fully software downloadable
- Supports a range of enhanced universal card slot (UCS) cards capable of supporting additional interface types and even greater port densities

Interfaces

xDSL

- 8- and 24-port ADSL line cards for full rate ADSL (per ITU-T G.992.1) and G.Lite (per ITU-T G.992.2)
- 24-port enhanced ADSL line card for full rate ADSL, G.Lite and enhanced mode (11 Mb/s)
- 16-port SDSL line card
- 32-port IDSL line card
- 48-port SDSL line card
- 48-port G.shdsl line card
- Up to 64-port xDSL density for future-proofing

IP/MPLS

- IP services card (ISC) supports IP virtual private networks (IP-VPNs), digital TV, Internet access, plus future advanced IP applications/services
- 128 routers
- 8 IP CoS, DSCP
- RLS for routing bridged frames
- IGMP channel selection capability for broadcast video and audio sources
- 1+1 Redundancy
- BPDU/RPDU/PPP termination
- Channel Security
- MPLS LSR (future)

Cell relay

- 8-port T1/E1 ATM UNI card with inverse multiplexing over ATM (IMA) option, triple-port DS3/E3 card
- OC-3 MMF, SMF IR, SMF LR, SMF XLR
- STM-1 electrical, MMF, SMF IR, SMF LR, SMF XLR
- OC-12 MMF, SMF IR, SMF LR, SMF XLR
- STM-4 MMF, SMF IR, SMF LR, SMF XLR

Frame relay

- UNI interfaces: 8-port unchannelized T1/E1 frame relay card, quad channelized T1/E1 frame relay card, DS3/E3 frame relay card
- Up to 120 frame relay channels per card

Circuit Emulation

- Circuit emulation interfaces: octal T1/E1 channelized/unchannelized, T3/E3 channelized to a T1/E1 (1:N redundancy optional) for private line applications, dual E3 channelized to both E1 and 64 kb/s with 1+1 protection

Traffic Management

- Traffic management and congestion control features that are fully compliant with ATM Forum Traffic Management Specification, v4.0 (TM4.0)
- Extensive traffic policing through a fully programmable usage parameter control (UPC) mechanism, compliant to industry standards
- Supports best-in-class ATM traffic management functionality to assure guaranteed quality of service (QoS) per virtual circuit (VC) or virtual path (VP)

Node, Network and Service Management

- Local or remote management interface through SNMP or the 5620 Network Manager
- Centralized alarm management with audible and visual alarm notification
- Centralized software management administration
- Support for up to 5,000 network elements, 250,000 end-to-end connections and up to 255 operator sessions
- Automatic discovery of equipment additions, deletions and changes
- Sophisticated link and path management
- Extensive performance data for service level agreements (SLAs) and billing capabilities based on Automatic Message Accounting (AMA) records
- Multiple graphical displays of performance data
- Open interfaces at the network and service levels for maximum business automation
- Customer assurance and self-provisioning support through the Alcatel 5730 VPN Service Manager (VSM)
- Broadband access carrier class provisioning through the Alcatel 5740 Service Subscription Manager (SSM)

Cabinets

- Environmental enclosure for a cost-effective deployment of remote DSLAM
- Extend CO service reach from 60% to 97%
- Craft friendly design allows same day install and turn-up
- Modular design allows customization to meet specific deployment requirements
- AC power connection, distribution and protection
- DC battery plant
- Heat exchanger

Physical Description

- Height: 93 cm (36.75 in.)
- Width: 49 cm (19.25 in.)
- Depth: 30 cm (12.00 in.)
- 21 vertical units (VUs) with fans and alarm panel

Operating Environment

- 5° C to 40° C (41° F to 104° F)
- 5% to 95% relative humidity, noncondensing

Product Safety

- Safety to CSA C22.2 No. 950, UL1950, EN 60950

EMC Standards

- EMC to FCC Part 15, Industry Canada CES-003, EN 55022, EN 50082-1
- Network attachment to FCC Part 68, CTR 12, Industry Canada CS-03

Regulatory Compliance

- Bellcore compliance: environmental to GR-63-CORE (NEBS), GR-26-CORE (controlled environment vaults), GR-43-CORE (telecommunications huts), GR-2832-CORE (walk-in cabinets) and GR-487-CORE (electronic equipment cabinets)

Power

- Maximum 135 W per slot
- 48 V to 60 V DC

For more information www.cid.alcatel.com

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