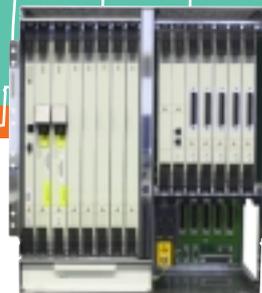# Alcatel 7300 ASAM-c
Compact (ETSI Version) | Release 4.3

The Alcatel 7300 Advanced Services Access Manager-compact unit (ASAM-c) is used to deploy DSL lines in small central offices or outdoor cabinets. It offers the same functionality as the Alcatel 7300 ASAM, with support for up to 120 DSL lines. It provides a direct connection to an ATM or Ethernet network with IP functionality. The connectivity to the IP network is provided through an Ethernet uplink. It can be subtended from a hub Alcatel 7300 ASAM through electrical or optical links.

The Alcatel 7300 ASAM-c enables service providers to offer their customers higher bandwidth and more services by reducing loop length and increasing geographic coverage. As a result, service providers can reach many more potential customers, achieve ubiquitous geographic coverage with small systems, and extend the capacity of their systems at the pace of growing customer demand.

Extend system capacity at the pace of customer demand

Technical Summary

System Capacity

> Up to 120 lines per shelf (5 cards, 24 lines each) with splitters

> 5 slots

> Extendable to 1,440 lines (12 x 120)

> Ultra density line card: 24 lines per board

Interface Cards

ATM network

> STM-1 (155 Mb/s)

> E3 (34 Mb/s)

> DS3 (44 Mb/s)

> 4 x E1 IMA (4 x 2.0 Mb/s)

> 1,310/1,550 nanometer dark fiber

> Up to 96 MB on-board memory

> Optional 1+1 redundancy (APS/EPS)

> STM-4 upgradeable

Ethernet network

> 100Base-T interface

> VLAN support according to 802.1q standard

- ISP or other service identification based on VLAN
- User traffic mapped to VLAN
- 4,095 VLAN IDs
- Security (fire-walling) based on VLAN

Line Interface Cards

> ADSL – multi-standard auto-detect ADSL

- POTS: ITU-T G.dmt
- POTS: ITU-T G.lite
- POTS: ANSI T1.413
- ISDN: ITU-T G.dmt B
- ISDN: ETSI TS 101 388
- 24 lines per board

> ITU.T g.SHDSL

- 24 lines per board

> ILMI 4.0 automatic CPE configuration (PVC and SVC)

> VDSL: DMT multi-standards-based

- 8 lines per board, evolving to 12 and 24 in next version

> Passive splitter types:

- TBR21
- 600 Ω impedance
- ETSI harmonized impedance splitter (TR 101 728)
- ISDN

> Subtending line cards

- 4 x E1 IMA
- E3
- DS3
- STM-1
- 1,310/1,550 nanometer dark fiber

IP Service Module

> 10/100 Ethernet interface

> RFC 1483/RFC 2684 (bridged, routed), PPPoA , PPPoE

> L2TP, MPLS (RFC2547 bis in static mode), virtual routing

> RIP, RIPv2, OSPFv2, BGP4

> RADIUS

Management

> Element management layer (EML) through Alcatel 5523 AWS Element Manager (AWS)

> Network management layer (NML) through Alcatel 5620 Network Manager (NM)

- Interfacing with other (legacy) OSSs, including CORBA

> Connectivity:

- Over ATM network, in-band PVC (ATM VP/VC)
- Out-of-band through 10/100 Ethernet port

> Local management through a web-based craft terminal. Software runs on a standard PC with Windows 2000 or higher, and any browser software

ATM Service Characteristics

> Supported ATM QoS classes: UBR, UBR+, CBR, Rt-VBR/nrt-VBR, GFR

> Multi-QoS per line

> Up to 10,368 connections (PVC/SVC) per system

> Up to 16 connections (VC) per line

Physical Specifications

> Height: 53 cm (20.9 in.)

> Width: 48.2 cm (19.0 in.)

> Depth: 30 cm (11.8 in.)

> Maximum 3 shelves per rack

Other Characteristics

> Test bus for metallic line test

- Integrated metallic cross-connect
- Soft connection of individual DSL lines
- Connector for external test equipment

> 5 Gb/s backplane

Power

> Average power consumption: 1.2 W per ADSL line

Product Safety and Environment

> EN 60950 A1, A2, A3, A4, A11, Class 1 (IEC 950)

> ETS 300 019-1-3 class 3.1E

> Temperature hardened

> Operational temperature range: 0 C to 45 C (32 F to 113 F)

For more information on the Alcatel 7300 ASAM visit www.alcatel.com/7300