# SpeedXess Multi DSLAM

## OTS-A20120

*Multi-Platform DSLAM : ADSL, ADSL2, ADSL2+ and SHDSL in one box !*

**OTS-A20120** is a mini-DSLAM designed for efficient scalability and easy deployment for access network. The broadband access solution provides an exceptional way that builds with advanced platform to support xDSL revenue generating service for both IP and ATM network. The energy-efficient compact enclosure design fits perfectly inside temperature hardened and space limited rack space of telecommunication curbside cabinet.

**OTS-A20120** complied with ITU-T G.992.1,2,3,5.

**OTS-A20120** provides several trunk cards, service cards. Be scalable from 24 ports to 120 ports that allow new revenue to be generated with minimum installation time and expense. Interface board is also modular designed with hot swappable function and field replaceable units.

**OTS-A20120** supports expanded revenue opportunities. The mini-DSLAM offers flexibility to service providers to deliver differentiated services by offering a wide range of multiple DSL connectivity speeds at different prices.

**OTS-A20120** has compact design for Limited Space & occupies only 2U of standard Telco rack space for 72 lines or 3U for 120 lines, so it will easily be fitted in existing Remote Terminals. With temperature –hardened design; it is a good fit for outside plant cabinet and indoor CD rack.

**OTS-A20120** supports high reliability and easy maintenance & is a equipment with fan and air filter unit, low power requirements plus full diagnostic and alarm reporting capability. SNMP, CLI, and Web GUI based powerful, easy-to-use features including remote access and software download that help service providers minimize daily operational costs.

## Features

▪SHDSL and Multi-ADSL speed offering
- Supporting ADSL, ADSL2, ADSL2+ via POTS/ISDN user interface, and SHDSL for R3.0 ATM DSLAM and R3.1 IP DSLAM.
▪ Highly Compact Solution
- Provides 24~120 ports of ADSL/SHDSL or xDSL , only by 2U/3U(H), 19’(w) and 12’(D)
▪ Flexible interface design
- Modular design with hot swappable and field replaceable units
▪ Build-in POTS/ISDN splitters
- Streamlines installation and increase cost-effectiveness
▪ Wide Temperature Range
- Operating Temperature:-40˚C to 65˚C,
- Relativity Humidity: 5% to 95% (non-condensing) at 35˚C
▪System Overheating Protection
- FAN alarm indicating if FAN malfunction
- Temperature monitoring and system overheating trap functionality
- Trunk and Line card power cutoff when system overheating

# OTS-A20120
# ADSL/ADSL2+ IP/ATM DSLAM

## Specifications

**Performance Monitoring**
•Monitors of line attenuation, noise margin, current rate, l oss of signal, loss of framing loss of power and error secon d performance data.
•Provides 15-minute and 1-day counters for history record

**Alarm and Status Surveillance**
•Automatic alarm/LED indication for alarm and system stat us
•Maintenance signal for OAM functionality
•Four housekeeping inputs and one alarm contact closure outputs

**Network Management**
•Memory back-up
•Database export and import functionality
•RS-232 serial and Ethernet 10/100 port for local management
•TL1 for remote management (optional)
•NMS/EMS for Multiple Nodes Management based on SNMP (optional)

**Management Information Base (MIB)**
•RFC 2514, 2515 ATM MIB
•RFC 1213 SNMP MIB II
•RFC 1493 Bridge MIB
•RFC 1643 Ethernet MIB
•RFC 2674 Q MIB
•RFC 1757 RMON MIB, group 1,2,3,9
•IMA-MIB
•SHDSL Line-MIB
•ADSL/SHDSL Line MIB
•Tailyn proprietary MIB

**Power Requirements**
•Input: -48 V DC (-42 V to -56 V)
•Dual A+B -48 V DC power input terminal
•Certification
•ITU-T K.20
•ETSI 300-019, 300-386
•EN 60950
•Conform to CE requirements

**Interface Cards**
•Network Interface
- STM-1 (ATM)
- 4/8 x E1 IMA (ATM)
- 2 x 100/1000 Based-Tx or 2 x mini-GbE (IP)
- Subscriber Interface 24 ports card
- ADSL/ADSL2+/POTS/ISDN (G.992.1 .2 .3 .5)
- SHDSL for R3.0 ATM DSLAM and R3.1 IP DSLAM.

**Service Characteristics**
•ATM
- QoS (UBR, rt-VBR, nrt-VBR, CBR)
- PVC default priority and PVC-to-VLAN mapping
- Traffic scheduling/shaping/policing
•Ethernet
- IEEE 802.1d Spanning tree protocol (STP)
- IEEE 802.3ad Link aggregation
- IEEE 802.3af Power over Ethernet
•Security on console access
- OSI Layer 2 Functionality
- MAC filtering and count limit
- Access control list (ACL)
- Hardware-based multicasting
- Broadcast control and broadcast rate limit
- Port-based virtual local area network (VLAN)
- IGMP snooping v1, v2, and v3
- SNMP v1 and v2c
- Remote Monitoring (1, 2, 3, 9 groups)

**System Configuration**
- Multiple-session TELNET
- Supports point-to-point VCC link
- Software upgrade from NMSz

**Dimensions**
- 2U: 88mm x 482mm x 304mm (HxWxD)
- 3U: 133mm x 482mm x 304mm (HxWxD)

**Environmental**
- Operating Temperature: -40°C to 65°C
- Operating Humidity: 5% to 95% non-condensing

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