



# Eo Access 2110

## (ADSL2+ IP DSLAM)



Eo Access 2110 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 ADSL revenue generating service for IP network. The energy-efficient compact enclosure and cost-efficient design fits perfectly with inside space limited rack space of telecommunication curbside cabinet.

### Features

#### **Multi-ADSL speed offering**

- Supporting ADSL, ADSL2, ADSL2+ via POTS/ISDN user interface

#### **Highly Compact Solution**

- Provides 24/48 ports ADSL2/2+, only by 1.5U chassis space
- Built-in splitter for 24/48 ports variety in 1.5U space.
- Stackable for higher port density

#### **Wide Temperature Range**

- Operating Temperature: -10°C to 65°C
- Relativity Humidity: 5% to 95% (non-condensing) at 35°C

#### **System Overheating Protection**

- FAN alarm indicating if FAN malfunctions
- Temperature monitoring and system overheating trap functionality

### Benefits

#### **Scalable Solution**

Eo Access 2110 provides several options to provide 24 ports and 48 ports IP DSLAM that allow new revenue to be generated with minimum installation time and expense.

#### **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.

#### **Compact Design for Limited Space**

Eo Access 2110 occupies only 1.5U of standard Telco rack space. It will easily be fitted in existing Remote Terminals.

#### **High Reliability and Easy Maintenance**

Eo Access 2110 is equipped 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.



## Technical Specifications

### Interfaces

#### Network Interface

- 2 x 100/1000 Based-Tx or 2 x mini-GbE

#### Subscriber Interface

- 12/24/36/48 ports ADSL2+/POTS/ISDN (G.992.1 .2 .3 .5)

### Service Characteristics

#### Ethernet

- IEEE 802.1d Spanning tree protocol (STP)
- IEEE 802.3ad Link aggregation
- Security on console access

#### OSI Layer 2 Functionality

- MAC filtering and count limit
- Access control list (ACL)
- Multicasting Support
- Broadcast control and broadcast rate limit
- Port-based and 802.1p/q Tag-based virtual local area network (VLAN)
- IGMP v1/v2/v3 snooping and Proxy
- SNMP v1 and v2c
- Remote Statistic (1, 2, 3, 9 groups)

### System Configuration

- Multiple-session TELNET
- Supports point-to-point VCC link
- Software Remote upgrade

### Performance Monitoring

- Monitors of line attenuation, noise margin, current rate, loss of signal, loss of framing loss of power and error second performance data.
- Provides 15-minute and 1-day counters for history record

### Alarm and Status Surveillance

- Automatic alarm/LED indication for alarm and system status
- 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
- NMS/EMS for Multiple Nodes Management based on SNMP (option)

### Management Information Base (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
- ADSL Line MIB

### Dimensions

1.5U: 66mm x 482mm x 265mm (H x W x D) for 24, and 48 Ports with splitter built-in

### Environmental

- Operating Temperature: -10°C to 65°C
- Operating Humidity: 5% to 95% non-condensing

### Power Requirements

- Input: -48 V DC (-42 V to -56 V)
- Input: AC 100 VAC to 240 VAC (option)
- 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
- RoHS Compliant