

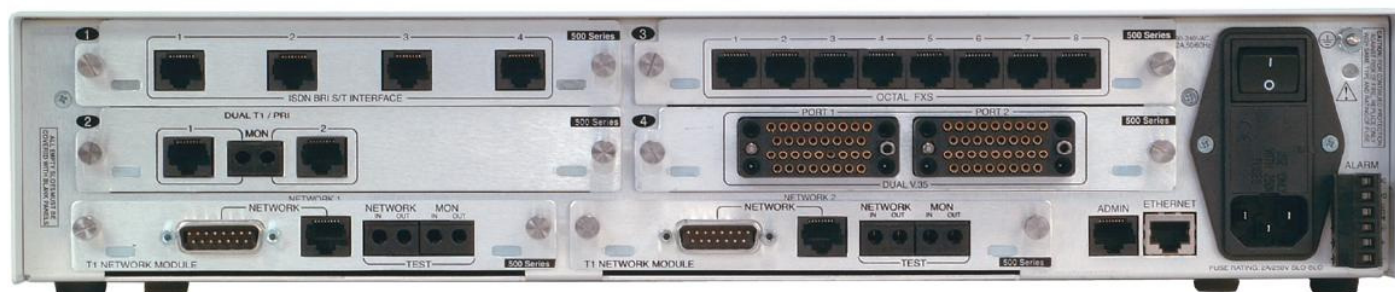
ATLAS 550

Enterprise Integrated Access Device

Front View



Rear View



Physical Interfaces

■ Supported Network Modules

- Single Port T1/PRI Network Interface Module

■ Supported User Modules

- Quad T1/PRI Module
- Dual T1/PRI Module
- Octal FXO Module
- Octal FXS Module
- Quad BRI U Module
- Quad BRI S/T Module
- Octal E&M Module
- Dual V.35 Module

■ Integrated Ports

- One 10/100 Ethernet
- DB-9 Port
- Alarm Contacts

Physical Specifications

- Chassis: 2U Rackmount
- Dimensions: 3.47" H, 17.08" W, 11.67" D
- Weight: 18.3 lbs.
- Operating Temperature: 32°F to 113°F (0°C to 45°C)
- Mean Time Between Failure (MTBF)
 - ATLAS 550 AC: 203,129 Hrs
 - ATLAS 550 DC: 205,044 Hrs

Power Specifications

- Auto-ranging Power: 90–240 VAC
- Power Consumption
 - 60W
 - 207 BTU
- Max Current Draw: 1A

WAN Protocols

- PPP
- Frame Relay

Performance and Design Considerations

■ Ports (4 Module Slots)

- T1/PRI: 18 Max
- ISDN BRI: 16 Max
- V.35 Interfaces: 8 Max
- Analog FXS: 32 Max
- Analog FXO: 32 Max
- Analog E&M: 32 Max

■ TDM/ISDN Backplane

- PRI to T1 Conversions: 5 Max
- ISDN PRI Switchboard Capacity: 15 PRI Ports Max
- TDM Backplane Bandwidth: 216 DS0s

■ Dial Plan

- Dial Plan Entries: 999
- Accept/Substitution Template Entries: 99
- Maximum Digit String for Accept Number: 31
- Maximum Match Patter in Number Template: 40
- DSP Resources: 27*

■ Data

- Packet Switching Bandwidth: 3 Mbps (2 T1 Max)
- HDLC Resources: 35 **
 - 3 @ 2 Mbps Each
 - 32 @ 64 kbps Each
- PPP Packet Endpoints: 35 Sessions
- Frame Relay: 100 DLCI's
- IP Router Bandwidth: 2.4 Mbps (37 DS0s)

* DSP Resources are used to generate Dial Tone, generate Ring Back, and generate digits propagated out of the unit.

** HDLC Resources are used when terminating the "D" Channel of a PRI and when terminating Packet Endpoints.

Administration and Management

- Telnet
- SNMP (Traps and Alarms Only)

Firmware Support

- Current Version: C0904 (08/24/2004)
- Initial Version: A05 (7/11/2000)

Agency Approvals

- FCC Part 68
- FCC Part 15 Class A
- UL 1950, CUL

Warranty

- 5 Year (Repair & Return)
- www.ADTRAN.com/Warranty

Product Includes

- All ATLAS 550 units ship with the following:
 - 19" Rackmount Brackets
 - Power Cord (7.5')
 - ATLAS System CD
 - One 15' RJ48C Straight-through cable

For additional product information including data sheets, manuals, installation guides, etc. please visit :
www.ADTRAN.com/ATLAS

For network design assistance or general inquiries please visit:
www.ADTRAN.com/DesignAssistance

Ordering Information

Chassis & Upgrades	Part Number
ATLAS 550 Base Chassis AC	1200305E2
ATLAS 550 Base Chassis DC	1200550L2

Modules	Part Number
ATLAS Quad T1/PRI Module	1200755E2
ATLAS Dual T1/PRI Module	1200314E2
ATLAS Octal FXO Module	1200310L1
ATLAS Octal FXS Module	1200309E1
ATLAS Quad BRI U Module	1200315E1
ATLAS Quad BRI S/T Module	1200764E1
ATLAS Octal E&M Module	1200313L1
ATLAS Dual V.35 Module	1200311E1

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