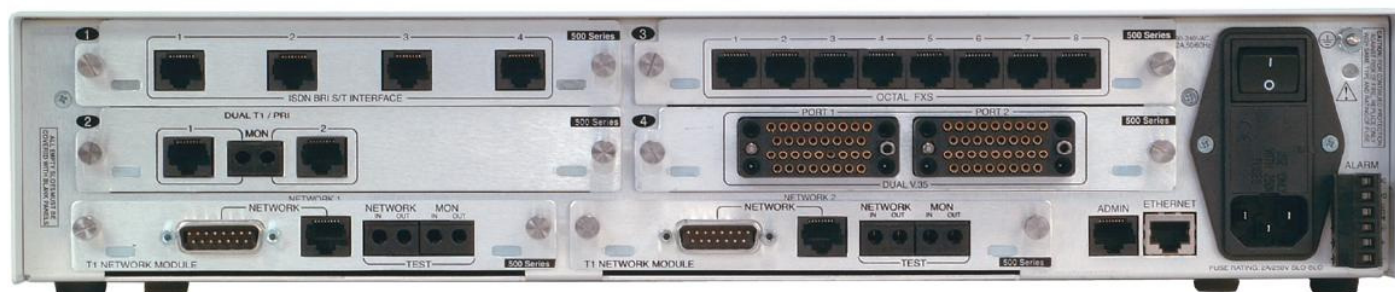# ATLAS 550

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 inquires 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