

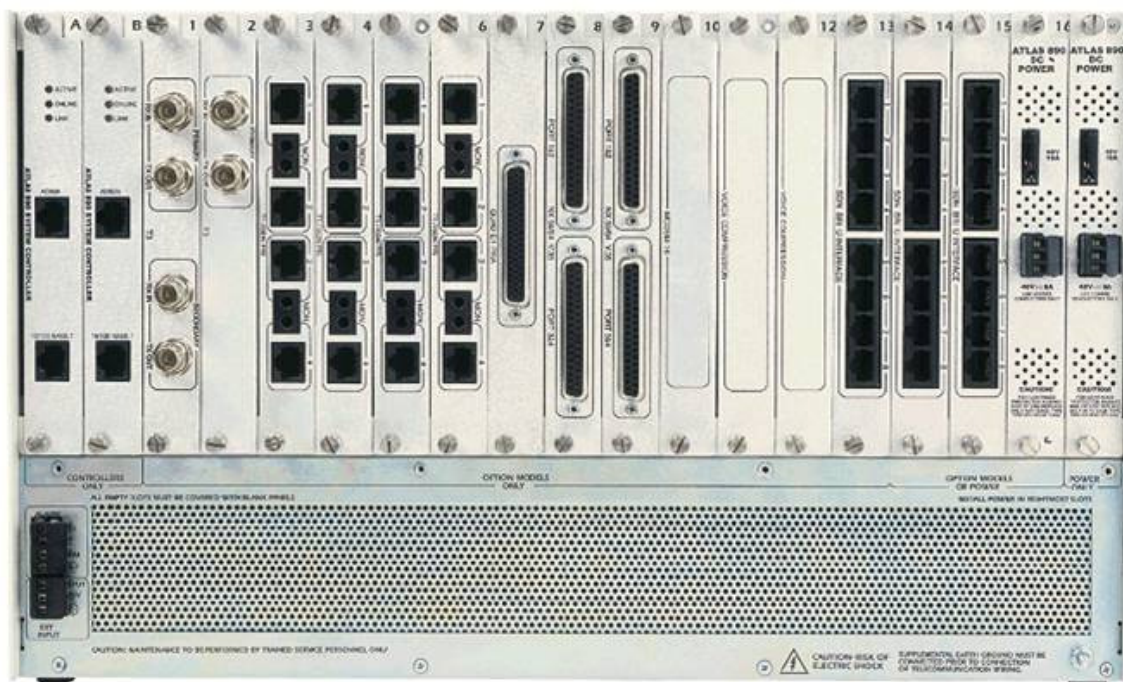
ATLAS 890

Enterprise Integrated Access Device

Front View



Rear View



Physical Interfaces

■ Integrated Ports

- Craft Port
- Alarm Contacts

■ Expansion Slots

- AC Non-Redundant: 15
- AC Redundant: 13
- DC Non-Redundant: 16
- DC Redundant: 15

■ Supported User Modules

- Quad T1/PRI Module
- Octal FXS Module
- Octal BRI S/T Module
- Quad V.35 Module
- T3 Module (Channelized Only)
- Nx56/64 Bonding Module (Required For Video Modules)
- Dual V.35 Video Module with 366 Dialing Interface
- Dual EIA-530 Video Module with 366 Dialing Interface
- Dual RS-449 Video Module with 366 Dialing Interface

Performance and Design Considerations

■ Ports

- T3 Module: 3 Max (TDM Backplane Limits Apply)
- T1/PRI: 52 AC Red. / 60 DC Red.
- ISDN BRI: 104 AC Red. / 120 DC Red.
- V.35 Interfaces: 52 AC Red. / 60 DC Red.
- Analog FXS: 48 Max (6 Modules)

■ TDM/ISDN Backplane

- PRI to T1 Conversions: 15 Max
- ISDN PRI Switchboard Capacity: 30 PRI Ports Max
- TDM Backplane Bandwidth: 720 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
- NFAS
 - Backup D Channel: 1 max (Net Term Only and NI2 Only)
 - PRIs per NFAS Group: 8
 - Individual NFAS Groups: No limit (Limited Only by PRIs)
- DSP Resources: 27*

■ Data

- Packet Switching Bandwidth: 7.5 Mbps (5 T1s 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: 3.2 Mbps (48 DS0s)

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

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

Physical Specifications

- Chassis: 6U Rackmount
- Dimensions: 10.5" H, 19" W, 11.5" D
- Weight: 38.9 lbs.
- Operating Temperature: 32°F to 113°F (0°C to 45°C)
- Mean Time Between Failure (MTBF)
 - AC Non-Redundant: 104,243 Hrs
 - AC Redundant: 62,174 Hrs
 - DC Non-Redundant: 112,335 Hrs
 - DC Redundant: 68,018 Hrs

Power Specifications

- AC Power: 90–130 VAC (Occupies Two Slots 14/15 or 16/17)
- AC Power Consumption
 - 400 W Max
 - 1,376 BTU Max
- Max AC Current Draw: 7 A
- DC Power: -48 VDC (Occupies One Slot 15, 16 or 17)
- DC Power Consumption
 - 325 W Max
 - 1,118 BTU Max
- Max DC Current Draw: 8 A

WAN Protocols

- PPP
- Frame Relay

Administration and Management

- Telnet
- SNMP (Traps and Alarms Only)

Firmware Support

- Current Version: A10 (10/29/2004)
- Initial Version: A01 (02/22/2002)

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 890 units ship with the following:
 - 19" Rackmount Brackets
 - Power Cord (7.5')
 - ATLAS System CD
 - One RJ45-DB9Adapter

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 890 AC Chassis Non-Redundant | 4200321L1 |
| ATLAS 890 AC Chassis Redundant System* | 4200321L2 |
| ATLAS 890 DC Chassis Non-Redundant | 4200321L3 |
| ATLAS 890 DC Chassis Redundant System* | 4200321L4 |

**Redundant Systems come with two controller cards and dual power supplies.*

| Modules | Part Number |
|---------------------------------|-------------|
| ATLAS Quad T1/PRI Module | 1200185L3 |
| ATLAS Quad V.35 Module | 1200184L1 |
| ATLAS Octal FXS Module | 1200338L1 |
| ATLAS Nx56/64 Bonding Module | 1200262L1 |
| ATLAS Octal BRI S/T Module | 1200343L1 |
| ATLAS T3 Module | 1200223L1 |
| ATLAS Nx56/64 Bonding Module | 1200262L1 |
| ATLAS Dual V.35 Video Module | 4200773L1 |
| ATLAS Dual EIA-530 Video Module | 4200773L2 |
| ATLAS Dual RS-449 Video Module | 4200773L3 |

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