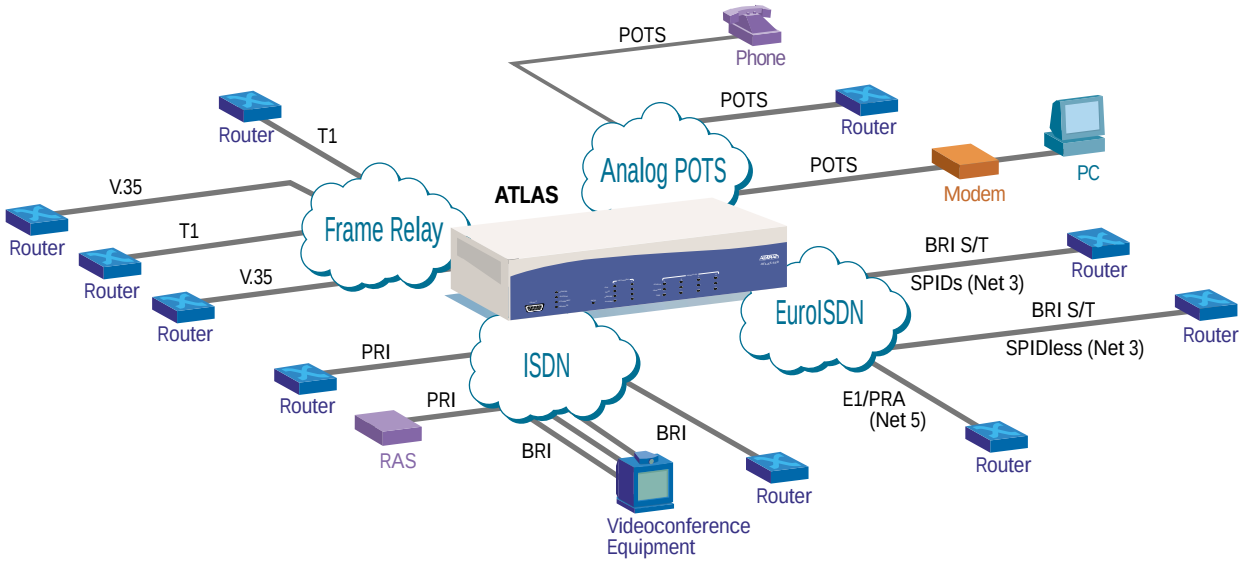
WAN Emulation

Frame Relay, ISDN, EuroISDN and Analog POTS

Featuring
ATLAS™ 550 and ATLAS 830



Acting like a central office switch, the ATLAS 830 and ATLAS 550 can emulate Frame Relay, ISDN and analog circuits. Network engineers, design and test engineers and classroom instructors can easily stage real-world circuits and "what if" scenarios, test new technologies, or configure equipment without purchasing live circuits or incurring toll charges from a carrier.

For Frame Relay WAN emulation, both fully meshed and hub-and-spoke networks can be configured using the RFC 1490 protocol.

As an ISDN switch, the ATLAS can emulate both BRI and PRI dial-up networks. Both BRI and PRI support multiple switch types like the DMS 100, Lucent 5E and National ISDN, with additional support for the Lucent 4E switch with PRI. EuroISDN switch protocol is also supported for E1/PRA, BRI 'S/T' and BRI 'U' interfaces.

Supporting analog circuits, the ATLAS 550 can provide 1–32 analog loop start lines and the ATLAS 830 can provide 1–40 analog loop start lines.

	ATLAS 550	ATLAS 830
Frame Relay	1–10 Circuits, 300 DLCIs	1–30 Circuits, 1,022 DLCIs
ISDN	1–16 BRI Circuits, 1–18 PRI Circuits	1–64 BRI Circuits, 1–34 PRI Circuits
EuroISDN	1–16 BRI ('U' or 'S/T') Circuits, 1–2 E1/PRA Circuits	1–64 BRI ('U' or 'S/T') Circuits, 1–32 E1/PRA Circuits
Analog	1–32 Circuits	1–40 Circuits

Testing new technologies and configuring equipment in a lab environment, while eliminating costly toll charges, has never been easier using the ATLAS platform for WAN emulation.

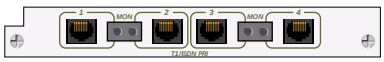
SOLUTION FEATURES

- Emulates central office switches
- Cost-effective
- Single platform solution
- Easy to configure
- ISDN PRI: Lucent 4E, 5E, DMS 100, National ISDN
- ISDN BRI: Lucent 5E, DMS 100, National ISDN
- EuroISDN PRI: Net 5 E1/PRA
- EuroISDN BRI: Net 3 BRI ('U' or 'S/T')
- Frame Relay: RFC 1490 Protocol
- Analog Loop Start Circuits

ADTRAN®

ATLAS 830 Modules

Quad T1/PRI 1200185L3

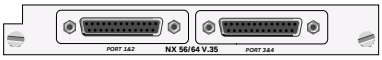


- Four interfaces for T1 or PRI circuits, each independently configured for DS-1, DSX-1, or PRI operation

Octal BRI 1200186L2

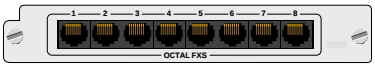
- Eight ISDN U-interfaces

Quad Nx56/64 1200184L1



- Synchronous operation from 56 kbps to 2.048 Mbps on each port
- Adapter cables included

Octal FXS Module 1200338L1



- Provides eight analog loop start lines

ATLAS 550 Modules

Dual T1/PRI 1200314L1

- Two interfaces for T1 or PRI circuits, each independently configured for DS-1, DSX-1, or PRI operation

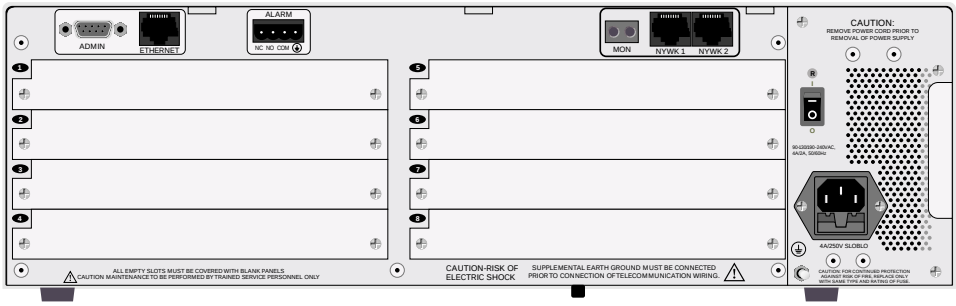
Quad BRI U 1200315L1

- Four ISDN ‘U‘ interfaces

Quad BRI S/T 1200764L1

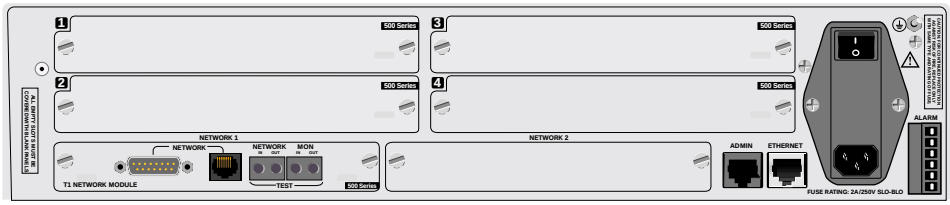
- Four ISDN ‘S/T’ interfaces

ATLAS 830 1200780L1



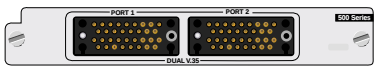
- Eight-slot modular chassis with two T1/PRI ports included on controller card
- Integral Frame Relay and ISDN software for access, concentration, and switching
- Supports 6 Mbps of Frame Relay bandwidth
- Standard RFC 1490 encapsulation
- HDLC module (#1200222L1) required for high-bandwidth Frame Relay emulation
- ATLAS 830 modules are not interchangeable with the ATLAS 550

ATLAS 550 1200305L1



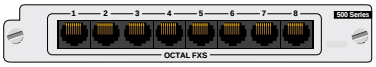
- Six-slot modular chassis includes one T1/PRI network module
- Integral Frame Relay and ISDN software for access, concentration, and switching
- Supports 3 Mbps of Frame Relay bandwidth
- Standard RFC 1490 encapsulation
- ATLAS 550 modules are not interchangeable with the ATLAS 800 Series

Dual Nx56/64 1200311L1



- Synchronous operation from 56 kbps to 2.048 Mbps on each port

Octal FXS Module 1200309L1



- Provides eight analog loop start lines

For More Information

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