



VoIP

Networking

IP telephony and VoIP systems offer the opportunity to carry voice over IP networks and the public Internet, but many issues arise in supporting and migrating legacy user equipment.

ADTRAN's ATLAS™ 550 is the ideal switch to complement the IP PBX by offering analog and ISDN interfaces that improve legacy fax and modem performance.

Until now, one elusive challenge in the VoIP architecture has been solving the reliability and performance needs for fax and modem devices. While IP PBXs offer Analog Telephone Adapters (ATAs), these adapters are primarily designed for analog telephones which can tolerate some delay, jitter, and dropped packets in the network, however, fax and modem devices may often experience poor performance and unexpected drop outs.

ATLAS complements the IP PBX by off-loading the analog and ISDN interfaces to a Time Division Multiplexing (TDM) switch, so that analog devices can achieve high performance and reliability in a converged network.

- Ideal complement to the IP PBX
- Share T1, PRI, or analog trunks between an IP PBX and other devices
- TDM analog support improves fax and modem performance
- Delivers ISDN PRI, BRIs, and analog circuits
- Consolidate circuits
- Reduce monthly telco costs
- Rapid Return on Investment (ROI)
- Improve legacy to IP telephony migration
- Add/strip digits with number substitution
- Least-cost routing

The ADTRAN ATLAS™ 550

Complements IP PBX Systems



The ATLAS Series of IADs offers an economical and advanced set of networking services. From a single platform, ATLAS can support multiple technologies including T1, T3, ISDN, IP routing, and Frame Relay.

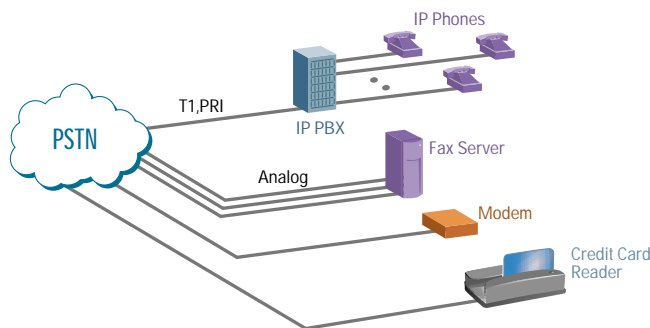
ATLAS is ideal for ISDN conversion and oversubscription, T1 Inverse multiplexing, PRI/BRI switching, T1/T3 DACS and grooming, Frame Relay switching, compressed voice, and video-conferencing applications.

- Analog interfaces: FXS, FXO, and E&M
- ISDN interfaces: PRI and BRI
- Hot swappable, modular chassis
- Combines many functions into a single system
- Offers a wide range of network and user interfaces
- Enables PRI-to-T1, PRI-to-BRI, and PRI-to-analog conversions
- Integral switchboard and dial plan
- Provides intelligent call-by-call routing and number substitution

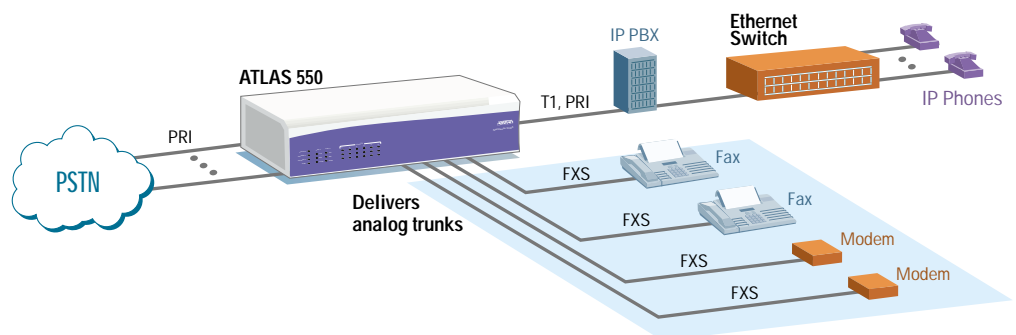
Improve Modem and Fax Performance

Typically, analog support for fax and modem devices with an IP PBX is limited due to the packet nature of an IP network. The analog signal can experience delay, jitter, and packet loss causing low performance and drop outs. ATLAS provides a true analog trunk circuit and call-by-call routing for full rate modem and reliable fax operation. This also eliminates the need for additional hardware or licenses in the IP PBX.

Before



After

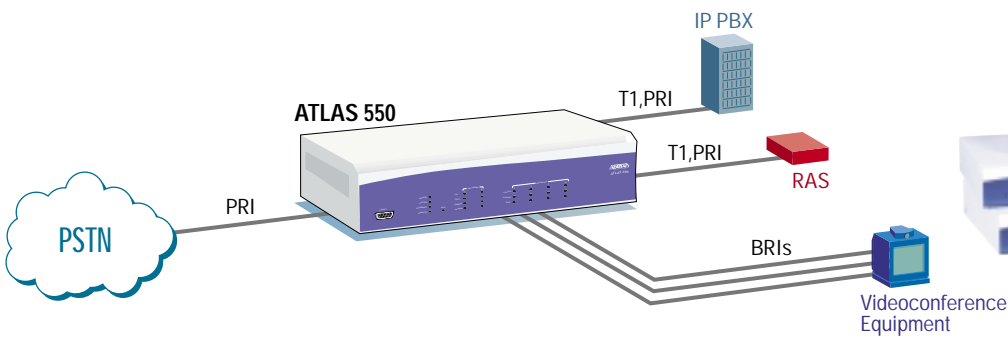


ADTRAN Also Offers

Industry-leading LAN-to-WAN Internetworking

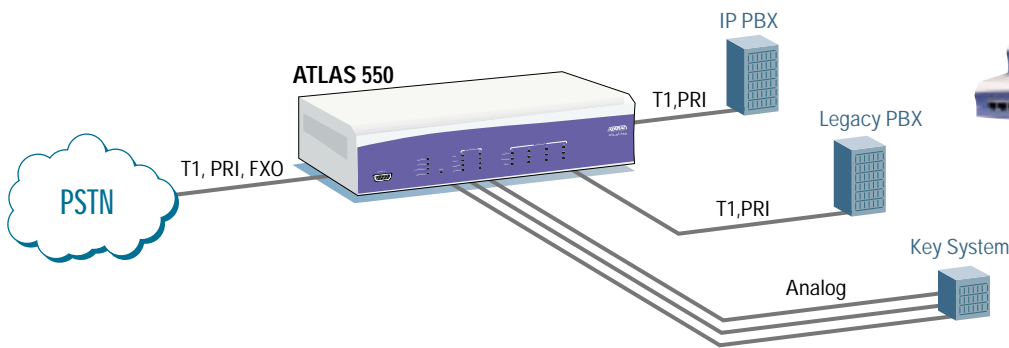
Deliver ISDN BRI

While IP PBXs terminate an ISDN circuit from the network, they may not emulate or deliver ISDN services to user devices such as videoconference systems or Remote Access Servers (RAS). ADTRAN's ATLAS offers industry standard ISDN switching to complement the IP PBX.



TDM to IP Migration

ADTRAN's ATLAS is used to help migrate from legacy TDM to IP telephony by enabling multiple PBX systems to share common WAN bandwidth and reduce monthly telco costs.



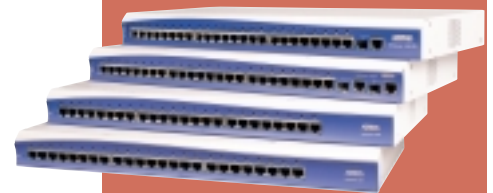
NetVanta™ 3000 Series

The NetVanta 3000 Series is a family of modular access routers designed for cost-effective Internet access, Frame Relay, point-to-point, and Virtual Private Networking (VPN).



NetVanta 2000 Series

The NetVanta 2000 Series is a family of Virtual Private Network (VPN)/Firewall products addressing the growing need for secure access to corporate information resources over the Internet.



NetVanta 1000 Series

The NetVanta 1000 Series of managed Ethernet switches is a full-featured product line suitable for use in Local Area Networks requiring LAN interconnectivity or network segmentation, including VoIP, Fast Ethernet, and Gigabit Ethernet applications.

ADTRAN, Inc.
Attn: Enterprise Networks
901 Explorer Boulevard
Huntsville, AL 35806

P.O. Box 140000
Huntsville, AL 35814-4000

256 963-8000 voice
256 963-8699 fax

General Information
800 9ADTRAN (923-8726)
www.adtran.com

Pre-Sales Technical Support
www.adtran.com/support
application.engineer@adtran.com
800 615-1176 toll-free
256 963-7904 fax

Where To Buy
www.adtran.com/where2buy
channel.sales@adtran.com
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Post-Sales Technical Support
www.adtran.com/support
support@adtran.com
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ACES Installation & Maintenance Services
www.adtran.com/support
aces@adtran.com
888 874-ACES (2237) toll-free

Training
www.adtran.com/university
training@adtran.com
800 615-1176 toll-free
256 963-6700 fax

International Inquiries
www.adtran.com/international
international@adtran.com
256 963-8000 voice
256 963-6300 fax

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