

# Interlink Puts It All Together

Presenting a Solutions based approach to VoIP that Works for Small to MidSized Businesses

## SME 1-400 Users



Digium Switchvox IP PBX

- Digium Switchvox IP PBX**
- Specialized VoIP PBX Appliance
  - Built on Digium's Asterisk, uses standards-based SIP interfaces
  - Complete, turn-key web-aware and unified communications phone system

## Network Quality Evaluation Tools



Fluke Networks NetTool Series II

- Fluke Networks NetTool Series II**
- Tests PCs, VoIP Phones, Access Points, Printers
  - VoIP Quality Validation & Troubleshooting
  - Jitter, Arrival Times, Dropped packets, Bursts
  - PoE Measurement

- Fluke Networks NetAlly Assessment Software**
- Pre-planning for VoIP capacity
  - Determination of QoS needs
  - Estimation of MOS call quality
  - Determine voice quality, delay, packet loss, jitter, or codec
  - Project maximum concurrent VoIP call capacity

## SMB 1-100 Users



ADTRAN NetVanta 150 AP

- ADTRAN NetVanta 150 Wireless Access Point**
- 802.11 a/b/g dual radio
  - WPA and WPA2 business-class security
  - WiFi Multimedia WMM QoS
  - 802.3af PoE



ADTRAN NetVanta 7100 IP PBX

- ADTRAN NetVanta 7100 IP PBX**
- Integrated 24 port PoE to provide power to IP phones and APs
  - IP router, IP PBX (100 SIP station)
  - SIP/PSTN Gateway
  - Built in wireless controller - supports up to 8 APs
  - Integral QoS and Voice Quality Monitoring



POTS



ADTRAN IP712

- Service Provider SIP Trunking**
- Packet-based service
  - Integrates all voice and data over a single IP circuit
  - Ongoing monthly cost savings over traditional voice and data connections



SIP

SIP

SIP

SIP

SOHO



MRV MR22XX-2C PoE Switch

- MRV MR22XX-2C-PoE**
- Layer 2+ 10/100/1000 Ethernet
  - Enhanced security, advanced L4 QoS, and rate limitation needed for VoIP
  - 24 or 48 IEEE 802.3af PoE ports to provide power to IP phones and APs
  - Low latency - as low as 10 microseconds Ideal for VoIP
  - Port based VLAN for voice and data segmentation



ADTRAN NetVanta 3430 Router, Firewall, DHCP Server

- CTDI 8200 IAD**
- MGCP and SIP support
  - VoATM and VoIP capable
  - Dynamic voice packet priority bandwidth allocation
  - 8, 16, or 24 port POTS interface



CTDI 8200 IAD



POTS



SOHO

## Remote Branch Office



ADTRAN Total Access 900/900e IAD



ADTRAN IP706

- ADTRAN Total Access 900/900e Series**
- Analog T1/PRI... to SIP/MGCP conversion for legacy voice support over IP networks
  - Solution for trunking and hosted VoIP networks
  - Router, firewall, VPR, Voice Quality Monitoring, and QoS and up to 24 analog FXS ports



POTS