Micro-Analog Telephone Adapter

SmartNode™ M-ATA

Quickly and easily converts any phone to VoIP for residential and telecommuter applications.

Ultra-miniature
Smallest full-function analog telephone adapter available today!

Supports over 20 voice calling features
Call waiting, call conference, caller ID, hotline, distinctive ring and more!

DHCP, PPPoE
Provides maximum connectivity across firewalls and transport networks.

SIP Signaling
Deploy into any multimedia, interactive, or softswitch network with the leading call and session signaling protocols.

Toll Quality CODECs
Uses G.723 or G.729 for low-bandwidth applications or standard G.711 or G.726 CODECs for toll-quality voice.Uses G.723 or G.729 for low-bandwidth applications or standard G.711 or G.726 CODECs for toll-quality voice.

Centralized management
HTTP/SNMP manageable from any location.

The SmartNode Micro Analog Telephone Adapter provides connectivity for analog phones to a home, home office or corporate LAN. Connecting to any analog phone or PBX, the SmartNode product is a cost effective solution for small offices and telecommuters to access Internet-based telephone services and corporate intranet systems across established LAN and Internet connections like DSL and cable modems.

The M-ATA provides one Ethernet (RJ-45) port and one FXS (RJ-11) analog phone port for quick and easy interconnection to the local LAN. LEDs show at-a-glance the status of the system, LAN, WAN, and phone ports.
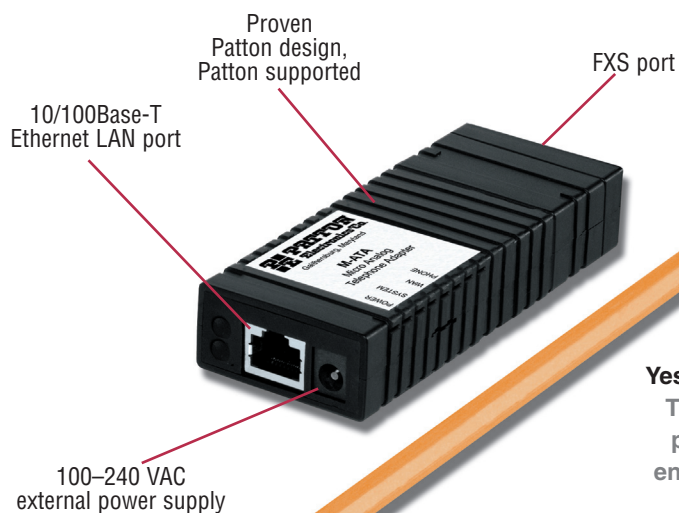
A full suite of IP features (DHCP) are available to maximize universal connectivity. VLAN tagging and prioritization enables voice traffic to be handled before data traffic, ensuring higher quality voice calls. Support for PPPoE tunneling simplifies extending corporate intranet services to telecommuters.

The user friendly web interface offers two levels of configuration: level one covers basic subscriber-specific parameters, level two offers advanced settings for the transport network. Configuration and firmware can be downloaded from a centralized TFTP or HTTP server.

The M-ATA is SIP standard compliant. Analog phones attached to the SmartNode can use advanced calling features such as call forwarding, caller ID, 3-way calling, call holding, call retrieval, and call transfer.
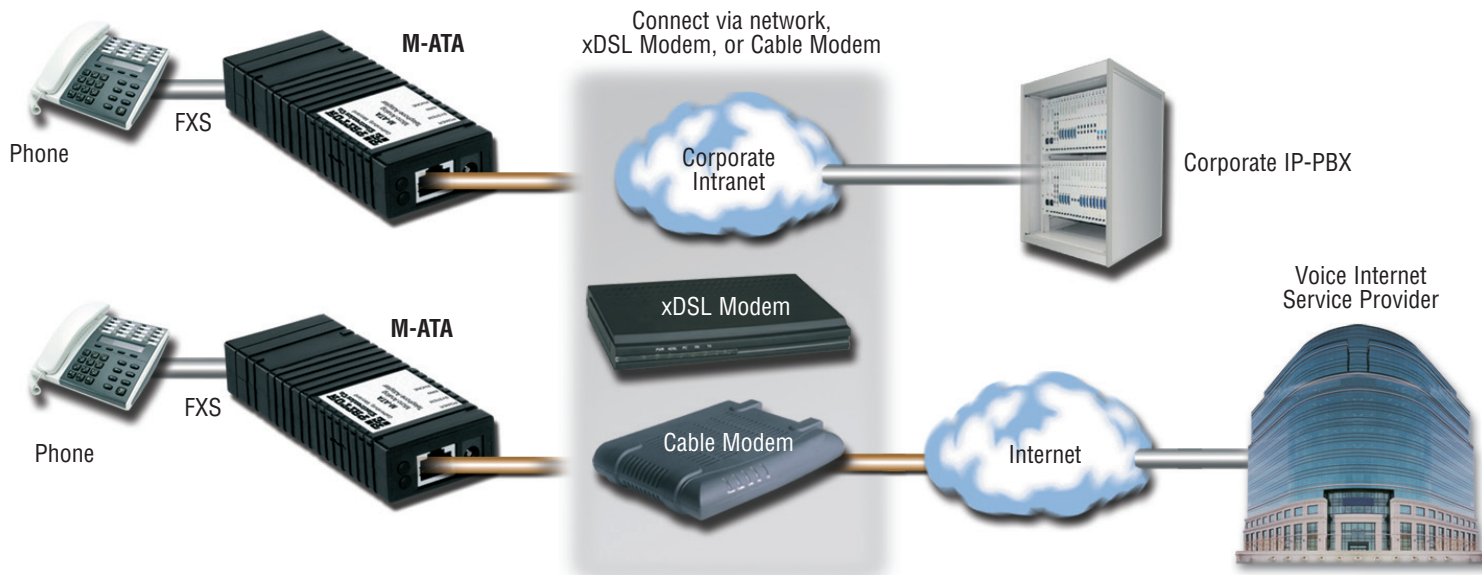
Visit www.patton.com for more information.

Proven Patton design, Patton supported

FXS port

10/100Base-T Ethernet LAN port

100–240 VAC external power supply

Yes, they really *are* this small!
These feature-packed telephone adapters are small enough to fit in your pocket!

PATTON®
let's Connect!™

Patton's Micro-Analog Telephone Adapter provides seamless access to Internet telephony and data services. The M-ATA connects to any broadband access provider via a cable or xDSL modem.

Specifications*

Voice Connectivity
2-wire Loopstart, RJ-11/12 • Short haul loop 1.1 km @3REN • Caller-ID Type-1/2 FSK and ITU V.23/Bell 202 generation

Connectivity
1 10/100Base-TX Full Duplex/Autosensing Ethernet RJ-45

Voice Processing (signalling dependent)
SIP • Voice CODECS (G.711 A-Law/µ-Law (64 kbps); G.726 (ADPCM 40, 32, 24, 16 kbps); G.723.1 (5.3 or 6.3 kbps); and G.729ab (8 kbps) • G.168 echo cancellation • 2 parallel voice connections • DTMF detection and generation • Carrier tone detection and generation • Silence suppression and comfort noise • Configurable dejitter buffer • DTMF in-band & out-of-band • Configurable transmit packet length • RTP/RTCP (RFC 1889) • STUN

Voice Services/Features
Anonymous CallerID block • Call blocking • Call forward - on busy • Call forward - selective • Call forward - unconditional • Call hold/retrieve • Call return • Call transfer - blind • Call transfer - with consultation • Call waiting/retrieval • Caller-ID • Conference drop • Conferencing (3-way calling) • Distinctive ring • Do not disturb • Hotline calling • Incoming CallerID on/off • IP URL dialing • Message waiting indication • Self-caller ID block • Speed dial • Voicemail message retrieval • Warmline calling

IP Services
DHCP client • PPPoE • Programmable static routes • ICMP redirect (RFC 792); Packet fragmentation • VLAN support 802.1p/q

Management
Browser configuration interface • Multilevel security access • TFTP & HTTP configuration & firmware loading • SNMP v2 agent • Syslog support

Operating Temperature
0–40°C (32–104°F)

Operating humidity
Up to 90% (non-condensing

Power
100–240 VAC (50/60 Hz)

Compliance
EMC compliance: EN55022 and EN55024 • Safety compliance: EN 50950 • CE compliance • FCC Part 15 Class B

Dimensions
3.8 L x 1.65 W x 0.75 H in. (9.7 L x 4.2 W x 1.9 H cm.)

Weight
68 grams (2.4 oz)

Ordering Information

M-ATA-1/E: Micro Analog Telephone Adapter; 1 x FXS RJ11; 1 x 10/100Base-TX

* Specifications subject to change without notice.