

Micro-Analog Telephone Adapter & Fax Adapter

SmartLink M-ATA & SmartLink M-AFA

Quickly and easily converts a phone or fax machine to VoIP for residential and telecommuter applications.



The SmartLink Micro Analog Telephone Adapter provides connectivity for analog phones and faxes to a home, home office or corporate LAN. Connecting to any analog phone, fax or PBX, the SmartLink 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 xDSL and cable modems.

The M-ATA provides one Ethernet (RJ-45) port and one FXS (RJ-11) analog phone port for quick and easy inter-connection 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, NAT/PAT) are available to maximize universal connectivity. VLAN tagging and pri-

oritization 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 and MGCP standards compliant. Analog phones attached to the SmartLink can use advanced calling features such as call forwarding, caller ID, 3-way calling, call holding, call retrieval, and call transfer.

VoIP enable your existing fax machines with Patton's Micro Analog Fax Adapter (M-AFA)

Provided in the same micro-size as M-ATA, the M-AFA, bring fax machines along into the cost reduction world of VoIP. The M-AFA supports most analog fax machines and converts fax signaling into T.38 or G.711 pass through fax for delivery over an Intranet or the Internet. Just configure the M-AFA, plug in the fax machine's phone line, add a LAN connection, and the M-AFA is ready to go!

FEATURES & BENEFITS

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!

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

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

Toll Quality CODECs & T.38 fax—Use standard G.711 or G.726 CODECs for toll-quality voice, or G.723 or G.729 for low-bandwidth applications.

Centralized management—HTTP/SNMP manageable from any location.

ORDERING INFORMATION

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

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

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 • MGCP (Packet Cable NCS 1.0 and IETF MGCP 1.0) • 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 and out-of-band • Configurable transmit packet length • RTP/RTCP (RFC 1889) • STUN

Fax and Modem Support: G.711 transparent fax • T.38 fax relay (9.6 k, 14.4 k)

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: NAPT • 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 (MIB II and private MIB) • Syslog support

Operating Environment: Op. temp.: 0–40°C (32–104°F) Op. humidity: 5–80% (non-condensing)

System: Power: 100–240 VAC (50/60 Hz)

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

Physical: Dimensions: 3.6L x 2.1W x 0.78H in. (9.0L x 5.3W x 1.9H cm) Weight: 0.2 lbs (0.09 kg)

Typical applications

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.

