

HandyTone 502 Analog Telephone Adaptor



HandyTone 502 is the next generation of powerful, affordable, high quality and manageable IP telephony ATA/IAD for residential users and road-warriors. Its compact size, excellent voice quality, packed feature functionality and market leading price-performance point enable consumers to maximize the power of IP voice and data connectivity for a minimal investment. The HandyTone 502 is SIP standard compliant and features 2 FXS ports, dual 10M/100Mbps network ports, port status and message waiting LED, and a base stand for vertical positioning.

Key Features:

- 2 FXS telephone ports (RJ11), dual 10/100 Mbps network ports (RJ45) with integrated high performance NAT router
- Status LED for power, telephone and network ports, and message waiting indication
- Advanced telephony features including caller ID, call waiting, 3-way conference, transfer, forward, do not disturb, message indication, multi-language voice prompts, T.38 fax, flexible dial plan, direct IP calling
- Comprehensive voice codecs including G.711(a/u-law), G.723.1, G.729A/B/E, G.728, G.726-40/32/24/16 and iLBC
- UPnP, secure and automated provisioning using HTTP/HTTPS/Telnet/TFTP
- Up to 2 SIP account profiles, SIP over TCP/TLS
- Symmetric and asymmetric voice codec/RTP in any call sessions

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HandyTone 502 Technical Specifications

Telephone Interfaces	2 FXS ports (RJ11)
Network Interfaces	Two (2) 10M/100Mbps ports (RJ-45)
LED Indicators	Power, WAN, LAN, PHONE1 and PHONE2
Reset Button	Factory reset button
Telephony Features	caller ID display or block, call waiting with caller ID, flash, blind or attended call transfer, hold, call forward, do not disturb, 3-way conferencing
Voice Codec	G.711 Annex I (PLC) and Annex II (VAD/CNG format), G.723.1A, G.729A/B/E, G.728, G.726-40/32/24/16, iLBC
Voice over Packet Capabilities	Voice Activity Detection (VAD) with Comfort Noise Generation (CNG) and Packet Loss Concealment (PLC), Dynamic Jitter Buffer, G.168 compliant Line Echo Cancellation
Fax over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs, Fax Datapump V.17, V.19, V.27ter, V.29 for T.38 fax relay
DHCP Server/Client	Yes, can operate in NAT Router or Switched Mode
NAT Router	
Network Protocols	TCP/UDP/IP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, PPPoE, STUN
QoS	Support Layer 2 (802.1Q VLAN, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
IP Signaling	SIP (RFC 3261), SIP over TCP/TLS, up to 2 SIP account profiles, symmetric and asymmetric RTP/codec in any call sessions
DTMF Method	RFC2833, and/or SIP INFO
Provisioning & Management	UPnP, TFTP, HTTP, HTTPS, Telnet, secure and automated provisioning system for large deployment, syslog
Universal Power Supply	Output: 12VDC, 0.5A; Input: 100-240 VAC, 50-60 Hz
Environmental	Operational: 32°-104°F or 0°-40°C; Storage: 10°-130°F; Humidity: 10-90% Non-condensing
Dimensions (H x W x D)	25mm x 115mm x 75mm (when laying flat); 115mm x 25mm x 75mm (standing up)
Short and long haul	3 RENs:Up to 150 ft on 24 AWG line
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Polarity Reversal / Wink	Yes
EMC	FCC/CE, EN55022/EN55024 and FCC part15 Class B
Safety	UL

