

# HandyTone 503 Analog Telephone Adaptor



**HandyTone 503** 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 best-in-class price-performance point enable consumers to maximize the power of IP voice and data connectivity. The HandyTone 503 is based on SIP standard and interoperable with most 3rd party SIP compliant devices and software. It features 1 FXS telephone port, 1 FXO PSTN line port, dual 10M/100Mbps network ports, port status and message waiting LED, and a base stand for vertical positioning.

## Key Features:

- 1 FXS telephone port (RJ11), 1 FXO PSTN line port (RJ11) with power-outage life line support, dual 10/100Mbps network ports (RJ45) with integrated high performance NAT router
- Status LED for power, telephone, PSTN line, network, and message waiting indication
- Advanced telephony features including caller ID from both IP and PSTN, call waiting, 3-way conference with IP and/or PSTN, remote call origination and termination from/to PSTN, hop-on and hop-off calling, transfer to IP or PSTN, forward to IP or PSTN, do not disturb, message waiting indication, multi-language voice prompts, T.38 fax, flexible dial plan, direct IP calling
- Comprehensive voice codecs including G.711(a/ $\mu$ -law), G.723.1, G.729A/B/E, G.726-40/32/24/16 and iLBC
- Secure and automated provisioning using HTTP/HTTPS/Telnet/TFTP
- Up to 2 SIP account profiles, SIP over TCP/TLS, SRTP
- Symmetric and asymmetric voice codec/RTP in any call sessions

# HandyTone 503 Technical Specifications

<b>Telephone Interfaces</b>	1 FXS telephone port (RJ11), 1 FXO PSTN line port (RJ11) with lifeline support
<b>Network Interfaces</b>	Two (2) 10M/100Mbps ports (RJ-45) with integrated NAT router and auto-detection and support for either straight through or crossover cables
<b>LED Indicators</b>	Power, WAN, LAN, PHONE and LINE
<b>Reset Button</b>	Factory reset button
<b>Telephony Features</b>	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
<b>Voice Codec</b>	G.711(a/μ-law) Annex I (PLC) and Annex II (VAD/CNG format), G.723.1A, G.729A/B/E, G.726-40/32/24/16, iLBC
<b>Voice over Packet Capabilities</b>	Voice Activity Detection (VAD) with Comfort Noise Generation (CNG) and Packet Loss Concealment (PLC), Dynamic Jitter Buffer, G.168 compliant Line Echo Cancellation
<b>Fax over IP</b>	T.38 compliant Group 3 Fax Relay up to 14.4kbps, Fax Datapump V.17, V.19, V.27ter, V.29 for T.38 fax relay
<b>DHCP Server/Client NAT Router</b>	Yes, can operate in NAT Router or Switched Mode
<b>Network Protocols</b>	TCP/UDP/IP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, PPPoE, STUN
<b>QoS</b>	Support Layer 2 (802.1Q VLAN, 802.1p), Layer 3 QoS (ToS, DiffServ) QoS
<b>IP Signaling</b>	SIP (RFC 3261), SIP over TCP/TLS, SRTP, up to 2 SIP account profiles, symmetric and asymmetric RTP/codec in any call sessions
<b>DTMF Method</b>	RFC2833, and/or SIP INFO
<b>Provisioning &amp; Management</b>	TFTP, HTTP, HTTPS, Telnet, secure and automated provisioning system for large deployment, syslog
<b>Universal Power Supply</b>	Output: 12VDC, 0.5A; Input: 100-240 VAC, 50-60 Hz
<b>Environmental</b>	Operational: 32 -104°F or 0 - 40°C Storage: 10 -130°F Humidity: 10-90% Non-condensing
<b>Dimensions (H x W x D)</b>	25mm x 115mm x 75mm (when laying flat); 115mm x 25mm x 75mm (standing up)
<b>Caller ID</b>	REN3: Up to150 ft on 24 AWG line
<b>Short and long haul</b>	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
<b>Polarity Reversal / Wink</b>	Yes
<b>EMC</b>	FCC/CE, EN55022/EN55024 and FCC part15 Class B
<b>Safety</b>	UL

