

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

Grandstream Networks, Inc. www.grandstream.com

Boston, Massachusetts
1297 Beacon Street, 2F
Brookline, MA 02446
1-617-566-9300

Dallas, Texas
2828 W. Parker Rd, Suite 102
Plano, TX 75075
1-469-241-0100

Los Angeles, California
1301 John Reed Ct.
City of Industry, CA 91745
1-626-956-0260

Shenzhen, China 518057
Bldg#1, No.2 Kefa Rd
Science & Technology Park
86-755-89805190

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 |

