Grandstream
Innovative IP Voice & Video

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/µ-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

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Telephone Interfaces	1 FXS telephone port (RJ11), 1 FXO PSTN line port (RJ11) with lifeline support
Network Interfaces	Two (2) 10M/100Mbps ports (RJ-45) with integrated NAT router and auto-detection and support for either straight through or crossover cables
LED Indicators	Power, WAN, LAN, PHONE and LINE
Reset Button	Factory reset button
Telephony Features	Caller ID display or block, call waiting wither caller ID, flash, blind or attended call transfer, hold, call forward, do not disturb, 3-way conferencing
Voice Codec	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
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 NAT Router	Yes, can operate in NAT Router or Switched Mode
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), Layer 3 QoS (ToS, DiffServ) QoS
IP Signaling	SIP (RFC 3261), SIP over TCP/TLS, SRTP, up to 2 SIP account profiles, symmetric and asymmetric RTP/codec in any call sessions
DTMF Method	RFC2833, and/or SIP INFO
Provisioning & Management	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)
Caller ID	REN3: Up to150 ft on 24 AWG line
Short and long haul	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