

Grandstream HandyTone Series



Product Overview:

Grandstream HandyTone Analog Telephone Adaptor/IAD series offer a comprehensive line of VoIP access devices that feature full compliance with industry standards, superb audio quality, rich functionalities, high level of integration, compactness, and great affordability.

**Innovative
&
Affordable**
IP Telephony



Grandstream HandyTone Series



Key Features:

- Support SIP 2.0(RFC 3261), TCP/UDP/IP, RTP/RTCP, HTTP, ICMP, ARP/RARP, DNS, DHCP (both client and server), NTP, PPPoE, STUN, TFTP... etc.
- Built-in router, NAT, Gateway, DMZ, and port forwarding (available in HT-486, HT-488, and HT-496)
- Powerful digital signal processing (DSP) to ensure superb audio quality; advanced adaptive jitter control and packet loss concealment technology
- Support various vocoders including G.711 (a-law and u-law), G.723.1 (5.3K/6.3K), G.726, G.728, G.729A/B, and iLBC.
- Support Caller ID/Name display or block, Hold, Call Waiting, Flash, Call Transfer (blind/consultative), Call Forward, in-band and out-of-band DTMF, Dial Plans, etc.
- Support Call Waiting Caller ID
- Support fax pass through and T.38 (pending)
- Support Silence Suppression, VAD (Voice Activity Detection), CNG (Comfort Noise Generation), Line Echo Cancellation (G.168), and AGC (Automatic Gain Control)
- Support standard encryption and authentication (DIGEST using MD5 and MD5-sess)
- Support for Layer 2 (802.1q VLAN, 802.1p) and Layer 3 QoS (ToS, DiffServ, MPLS)
- Support automated NAT traversal without manual manipulation of firewall/NAT
- Support device configuration via built-in IVR, web browser, or downloading encrypted configuration file through TFTP or HTTP.
- Support firmware upgrade via TFTP or HTTP.
- Ultra compact (wallet size) and lightweight design, great companion for travellers
- Compact, lightweight Universal Power adaptor.

Comprehensive HandyTone Series

Features / Model	HT-286	HT-386	HT-486	HT-488	HT-496
Ethernet Port(s)	1 RJ45 (LAN)	1 RJ45 (LAN)	2 RJ45 (LAN/WAN)	2 RJ45 (LAN/WAN)	2 RJ45 (LAN/WAN)
DHCP / NAT Router	No	No	Yes	Yes	Yes
FXS Port(s)	1	2	1	1	2
FXO / PSTN Pass-through	No	PSTN Pass-through	PSTN Pass-through	FXO	No
Lifeline	No	Yes	Yes	Yes	No
Remote Configuration	TFTP/HTTP	TFTP/HTTP	TFTP/HTTP	TFTP/HTTP	TFTP/HTTP
Weight (approx.)	0.6 lbs (0.3 kg)	0.8 lbs (0.36Kg)	0.8 lbs (0.36Kg)	0.8 lbs (0.36Kg)	0.8 lbs (0.36Kg)
Dimension (approx.)	56mm (W) 90mm (D) 27mm (H)	74mm (W) 105mm (D) 27mm (H)	74mm (W) 105mm (D) 27mm (H)	74mm (W) 105mm (D) 27mm (H)	74mm (W) 105mm (D) 27mm (H)
Operation Temperature	32-104 °F (0-40 °C)				
Humidity	10%-95%				
Universal Switching Power Adaptor	In: 100-240V AC Out: +5V DC, 1.2 A				
Compliance	FCC / CE / C-Tick, UL (Power Adaptor), A-Tick (Pending)				

* FXO port allows PSTN-to-VoIP and VoIP-to-PSTN call termination. PSTN Pass-through allows PSTN line service for incoming/outbound call and fail-over.