



GRANDSTREAM SIP PRODUCT COMPARISON
(SEE PRODUCT MANUALS FOR MORE SPECIFIC DETAILS)

I. Analog Telephone Adaptors/Internet Access Device Comparison

Features	HT286	HT486	HT502	HT503
Ethernet Ports	1 RJ45 (LAN)	2 RJ45 (LAN/WAN)	2 RJ45 (LAN/WAN)	2 RJ45 (LAN/WAN)
NAT/Router	No	Yes	Yes	Yes
DHCP	Client	Client/Server	Client/Server	Client/Server
FXS Port	1	1	2	1
FXO Port	No	No	No	1
PSTN Pass-through Port	No	Yes	No	No
Voice Mail Indicator	Yes	Yes	Yes	Yes
Voice Codec	G.711(a/μ-law), iLBC, G.723, G.729A/B/E, G.726, T.38(fax)			
Remote Configuration	TFTP/HTTP			

II. BudgeTone Product Comparison

Features	BT200	BT201
LAN interface	2 x RJ45 10/100Mbps	1 x RJ45 10/100Mbps
Headset Jack	2.5mm Headset port	2.5mm Headset port
LED	1 LED in RED color	1 LED in RED color
Phone Case	25-button keypad 12-digit caller ID LCD	25-button keypad 12-digit caller ID LCD
Universal Switching Power Adaptor	Input: 100-240VAC 50-60 Hz, Output: +5VDC, 1200mA, UL certified	
Dimension	18cm (W) x 22cm (D) x 6.5cm (H)	
Compliance	FCC / CE / C-Tick	

III. GXW IP Analog Gateway Comparison

Features	GXW410x	GXW400x
Telephone Interfaces	4 or 8 FXO RJ-11 Ports	4, 8 or 24 FXS RJ-11Ports
Video Interface	Yes - Video Surveillance Application (real time H.264 base profile CIF resolution)	N/A
Network Interface	2 x RJ 45 10/100Mbps	2 x RJ 45 10/100Mbps
Indicators	Power, Video and Line Activity LEDs	Power and Line Activity LEDs
On/Off Power Switch	Yes	No
Voice Capabilities	G.168 Echo Cancellation, VAD, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711	
DHCP Server/Client	Yes, NAT Router or Switched Mode	Yes, NAT Router or Switched Mode
Voice Codecs	G.711, G.723, G.726 G.729A/B, GSM	G.711, G.723, G.726 G.729A/B, ILBC
Fax over IP	T.38 compliant	
Protocol	SIP (RFC 3261)	
Multiple Accounts per Box	Choice of 3 SIP Profiles	Choice of 2 SIP Profiles
Provisioning	TFTP, HTTP	TFTP, HTTP, HTTPS (pending)
Control	TLS/SIPS (pending)	TLS/SIPS
Management	Syslog, HTTPS and telenet (pending)	
Power	12VDC - 100 – 240 VAC/ 50-60 Hz	
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID	

IV. GXP Enterprise SIP Phones

Features	GXP280	GXP1200	GXP2000	GXP2010	GXP2020
LCD Display	128 x 32	128x32	4 line x 22 Character	240x120	320x160
Backlit					
Network Connection	Dual switched 10/100 Mbps	Dual switched 10/100Mbps	Two(2) 10/100 Mbps Switched or Routed	Two(2) 10/100 Mbps Switched or Routed	Two(2) 10/100 Mbps Switched or Routed
Expansion Module Support	n/a	n/a	Yes, up to 2 Expansion Modules, 56 nodes each	Yes, up to 2 Expansion Modules, 56 nodes each	Yes, up to 2 Expansion Modules, 56 nodes each
Price	<\$70	<\$80	< \$125USD	< \$130	< \$130
Full-Duplex Speakerphone	Yes	Yes	Yes	Yes	Yes
Voice Codec Support	G.711, G.726, G.723, G.729 A/B, GSM, G.722 (wideband)	G.711 (a/u-law), G.723.1, G.729A/B, G.726, GSM, iLBC, and G.722 (wideband).	G.711, G.726, G.723, G.729 A/B, GSM, G.722 (Wideband)	G.711, G.726, G.723.1, G.729 A/B, iLBC, GSM, G.722 (wideband)	G.711 (a/u-law), G.723.1, G.729A/B, G.726, GSM, iLBC, and G.722 (wideband).
Line/Speed Dial Keys	1 line and 0 speed dial	2-line support and 0 speed dial	4 line support and	4 line support and 18 speed dial keys	6 line support and 7 speed dial keys
Mute, Headset, and Hands Free Keys	Yes	Yes	Yes	Yes	Yes
Soft Keys	3	3	No	3	4
Display/Menu Navigation Keys	3	5	5	5	5
IEEE 802.3af	No	Yes, built-in	Yes, built-in	Yes, built-in	Yes, built-in
SIP/TCP/DNS/NTP/TFTP/TLS	Yes	Yes	Yes	Yes	Yes

V. GXV IP Video Phone Comparison

Features	GXV3000	GXV3005	GXV3140
LCD Display	5.6 inch TFT color LCD display and two dimensional movement (vertical/horizontal)	5.6 inch TFT color LCD display and two dimensional movement (vertical/horizontal)	4.3" digital TFT color LCD (480x272 resolution)
Network Connection	Two(2) 10/100 Mbps RJ-45 ports Switched/LAN or Routed; Two (2) USB ports	Two(2) 10/100 Mbps RJ-45 ports Switched/LAN or Routed; Two (2) USB ports	Two (20) 10M/100M auto-sensing Ethernet ports
FXO Interface	No	Yes, One Analog PSTN (FXO) RJ-11 port	No
Price	< \$300 USD	< \$300 USD	< \$300 USD
Full-Duplex Speakerphone	Yes	Yes	Yes
Video Codec Support	Yes / H.264. Delivery 32kbps - 1Mbps	Yes / H.264. Delivery 32kbps - 1Mbps	H.264 baseline (with CABAC enhancement pending) and H.263/H.263+ (pending) video standard at bit rate of 64kbps to 1Mbps, frame rate of up to 30fps and resolution of QVGA/CIF/QCIF
Voice Codec Support	G.711, G.726, G.723.1, G.729 A/B, iLBC, GSM G.722 (pending) Dynamic negotiation of Codec and packet time	G.711, G.726, G.723.1, G.729 A/B, iLBC, GSM G.722 (pending) Dynamic negotiation of Codec and packet time	G.711, G.726, G.723.1, G.729 A/B, iLBC, GSM G.722 (pending) Dynamic negotiation of Codec and packet time
Line/Speed Dial Keys	3 Lines / No	3 Lines / No	3 lines
Mute, Headset, and Hands Free Keys	Yes	Yes	Yes
Soft Keys	No	No	4
Display/Menu Navigation Keys	5	5	5
IEEE 802.3af	No	No	No
SIP/TCP/DNS/NTP/TFTP/TLS	Yes	Yes	Yes
Advanced Multimedia Support	Web browser	Web browser	Web browser, IM with Yahoo/MSN/Google, RSS feeds of weather/news/stocks, Internet radio, music/video streaming/playing from SD/USB card/Internet, Yahoo Flickr web photo album, alarm clock, calendar, games, music ring tone, etc