

Grandstream SIP Product Comparison Guide

(see [manuals](#) for more specific details)

SIP Telephone Comparison Guide

Features	BT-200	GXP-2000	GXV-3000
LCD Display	12 digit Numeric Display	4 line x 22 Character	3 line x 22 Character
	Backlit Display	Backlit Display	Backlit Display
Network Connection	Two(2) 10/100 Mbps Switched or Routed	Two(2) 10/100 Mbps Switched or Routed	Two(2) 10/100 Mbps RJ-45 ports Switched/LAN or Routed; Two (2) USB ports
Expansion Module Support	No	Yes, up to 2 Expansion Modules, 56 nodes each	No
Price	< \$90 USD	< \$125USD	< \$300 USD
Audio Features			
Full-Duplex Speakerphone	Yes	Yes	Yes
Video Codec Support	No	No	Yes / H.264. Delivery 32kbps - 1Mbps
Voice Codec Support	G.711, G.726, G.723. G.729 A/B, GSM G.722 (pending) Dynamic negotiation of Codec and packet time	G.711, G.726, G.723. G.729 A/B. 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
Telephony Features			
Line/Speed Dial Keys	1 Line and none	4 Line and 7 Speed dial (119 keys with Expansion Module)	3 Lines and none
Mute, Headset, and Hands Free Keys	Yes	Yes	Yes
Soft Keys	No	No	No
Display/Menu Navigation Keys	2	5	5
Power over Ethernet (PoE) Support			
IEEE 802.3af	No	Yes, built-in	No
Protocol Support			
SIP/TCP/DNS/NTP/TFTP/TLS	Yes	Yes	Yes

BT Comparison Guide

Features	BT-101	BT-102	BT-200
LAN interface	1 x RJ45 10Mbps	2 x RJ45 10Mbps	2 x RJ45 10/100Mbps
Headset Jack	2.5mm Headset port	2.5mm Headset port	2.5mm Headset port
LED	1 LED in RED color	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	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		

SIP HandyTone ATA Comparison Guide

Features	HT-286	HT-386	HT-486	HT-488	HT-496	HT-502
Ethernet Ports	1 RJ45 (LAN)	1 RJ45 (LAN)	2 RJ45 (LAN/WAN)	2 RJ45 (LAN/WAN)	2 RJ45 (LAN/WAN)	2 RJ45 (LAN/WAN)
NAT/Router	No	No	Yes	Yes	Yes	Yes
DHCP	Client	Client	Client/Server	Client/Server	Client/Server	Client/Server
FXS Port	1	2	1	1	2	2
FXO Port	No	No	No	Programmable	No	No
PSTN Pass-through Port	No	Yes	Yes	Yes	No	No
Voice Mail Indicator	Yes	Yes	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					

GXW IP Analog Gateway Comparison Guide

Features	GXW410x	GXW400x
Telephone Interfaces	4 or 8 FXO RJ-11 Ports	4 or 8 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	