![Grandstream logo] **Grandstream**
Innovative IP Voice & Video

GXW-400x
FXS Analog Gateway

GXW-400x is a next generation VoIP FXS gateway that is SIP based and interoperable with leading IP-PBX and Softswitch systems. It features 4 (GXW-4004) or 8 (GXW-4008) telephone ports, superb voice quality, rich telephony functionalities, easy provisioning, flexible dialing plans, PSTN failover line, and dual routed or switched network ports. The GXW-400x gateway series enables small and medium businesses to create integrated IP and PSTN telephone systems and efficiently manage communication costs.

Features

• 4 or 8 FXS ports with PSTN life-line
• Two 10M/100Mbps network ports (switched or routed)
• Multiple SIP server profiles (2 per system) and independent account per port
• Supports audio codecs: G.711,
• G.723, G.726, G.729 A/B/E, G.728, iLBC
• T.38 Fax
• G.168 Echo Cancellation

Benefits

• Simple and flexible configuration options as a VoIP-FXS Gateway.
• IP enabler for analog phones, faxes, and legacy PBX systems.
• Secure and easy management using Web browser, automated provisioning tools, and integrated IVR.
• High quality voice and fax communication with significant cost savings.

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GXW-400x
Technical Specifications

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	GXW-4004	GXW-4008
Interfaces		
Telephone Interfaces	4 RJ11 FXS ports	8 RJ11 FXS ports
Network Interfaces	10M/100 Mbps, dual RJ45 ports	
Admin Console Interface	RS232 Serial Port	
LED Indicators	Power, Network and Line LEDs	
Voice, Fax, Modem		
Voice over Packet Capabilities	G.168 compliant Echo Cancellation, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711	
PSTN Fail-over Life Line	PSTN failover on power failure	
Voice Compression	G.711, G.723, G.726 (40/32/24/16), G.729A/B/E, G.728, iLBC	
DHCP Client/Server	Yes, NAT Router or Switched Mode	
Fax over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through (pending)	
QoS	Diffserve, TOS, 802.1P/Q VLAN tagging	
IP Transport	RTP/RTCP	
Signaling		
DTMF Method	flexible DTMF transmission method, User interface of In-audio, RFC2833, and/or SIP Info	
IP Signaling	SIP (RFC 3261)	
Multiple SIP server profiles and accounts per box	Up to two(2) distinct SIP server profiles per system and independent SIP account per port	
Provisioning	TFTP, HTTP, HTTPS (pending)	
Security		
Media	SRTP not available	
Control	TLS/SIPS	
Management	Syslog support, HTTPS, telnet, remote management using Web browser	
Physical		
Power	Output: 12VDC Input: 100-240VAC / 50-60Hz	
Environmental	Operational: 32-104°F or 0-40°C	
	Storage: 14-140°F or -10-60°C	
	Humidity: 10- 90% Non-condensing	
Dimensions (LxWxH)	230mm x 135mm x 35mm	
Mounting	Wall mount & Desktop	
Additional Features		
Short and long haul	REN3: Up to150 ft on 24 AWG line	
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID	
Polarity Reversal / Wink	Yes	
Homologation		
EMC	EN55022 / EN55024 and FCC part15 Class B	
Safety	UL	