



## High-Density, Gigabit Gateways

### GXW4200 series

The GXW4200 high-density FXS gateway series enables businesses of all sizes to create a cost-effective hybrid IP and analog telephone system that offers the benefits of VoIP communications and takes advantage of Gigabit speeds while preserving investment on existing analog phones, fax machines and legacy PBX systems. The GXW4200 series includes 16/24/32/48 FXS ports, a Gigabit network port and features broad interoperability with most service providers, soft-switches and SIP-based environments.



**Gigabit**

A single 10/100/1000Mbps auto-sensing RJ45 port



TLS and SRTP security encryption technology to protect calls and accounts



Automated provisioning options include TR-069 and XML config files



**3 WAY**

Supports 3-way voice conferencing



Failover SIP server feature automatically switches to secondary server if main server loses connection



Supports T.38 Fax for creating Fax-over-IP



Supports a wide range of caller ID formats

**zero CONFIG**

Use with Grandstream's UCM series of IP PBXs for Zero Configuration provisioning



Supports advanced telephony features, including call transfer, call forward, call-waiting, do not disturb, message waiting indication, multi-language prompts, flexible dial plan and more

<b>Telephone Interfaces</b>	GXW4216/4224/4232: 16/24/32 x RJ11 & 1/1/2 50-pin Telco connectors GXW4248: 2 50-pin Telco connectors
<b>Network Interfaces</b>	1 x 10M/100M/1000Mbps auto-sensing RJ45 port
<b>LED indicators</b>	LAN Link, LAN Activity, Connection Per Telephone Port
<b>LCD display</b>	Backlit 128x32 graphic LCD display with support for multiple languages
<b>Voice-over-Packet Capabilities</b>	Window based carrier grade line echo cancellation, dynamic jitter buffer, modern detection & auto-switch to G.711
<b>Voice Compression</b>	G.711, G.723.1, G.76 (40/32/24/16), G.729 A/B, iLBC
<b>Fax over IP</b>	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through, Fax data pump V.17, V.21, V.27ter, V.29 for T.38 fax relay
<b>Telephony Feature</b>	Caller ID display or block, call waiting, blind or attended call transfer, call forward, do not disturb, 3-way conference, last call return, paging, message waiting indicator LED (NEON LED) support and stutter tone, auto dial
<b>QoS</b>	DiffServ, TOS, 802.1P/Q VLAN tagging
<b>Network Protocols</b>	TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, PPPoE, STUN, LLDP
<b>DTMF Method</b>	Flexible DTMF transmission methods including in-audio, RFC2833, and/or SIP INFO
<b>Signaling</b>	SIP (RFC 3261) over UDP/TCP/TLS
<b>SIP Server Profiles &amp; Accounts Per System</b>	4 distinct SIP server profiles per system and independent SIP account per telephone port
<b>Provisioning</b>	TFTP, HTTP, HTTPS, TR069
<b>Security</b>	SRTP, TLS/SIPS, HTTPS (AES-128 encryption for SRTP, TLS and HTTPS)
<b>Management</b>	Syslog, HTTPS, Web browser, voice prompt, TR-069
<b>Universal Power Supply</b>	GXW4232/4224/4216: Output: 12VDC, 5A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50~ 60Hz
<b>Environmental</b>	Operating: 0 °C ~ 40C; Storage: -20°C ~ 60°C; Humidity: 10% ~90% (non-condensing)
<b>Electrical Protection</b>	Over-voltage and over-current protection (ITU-T Recommendation K.21, Basic Test Level)
<b>Physical</b>	Unit dimension: 440mm (L) x 255mm (W) x 44mm (H) (1U) (GXW4248) 440mm (L) x 185mm (W) x 44mm (H) (1U) (GXW4216/4224/4232) Unit Weight: 3.21KG; Package weight: 4.31KG (GXW4248) 2.63KG; 3.68KG (GXW4224) 2.57KG; 3.62KG (GXW4224) 2.39KG; 3.48KG (GXW4216)
<b>Mounting</b>	Desktop and rack mount with front brackets
<b>LED Indicators</b>	Power, LAN Link/Activity, Hard Drive Activity
<b>Short &amp; Long Haul</b>	2 REN, up to 6000ft on 24 AWG wire
<b>Caller ID</b>	Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID
<b>Disconnect Methods</b>	Busy Tone, Polarity Reversal/Wink, Loop Current
<b>Compliance</b>	FCC: Part 15 (CFR 47) Class B CE: EN55022 Class B, EN55024, EN61000-3-2, EN16000-3-3, EN60950-1, RoHS C-TICK; AS/NZS CISPR 22 Class B, AS/NZS CISPR 24, AN/NZS 60950 ITU-T K.21 (Basic Test Level); UL 60950 (power adapter)