GRANDSTREAM
CONNECTING THE WORLD

High-Density, Gigabit Gateways

GXW4200 series v2

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 with AES 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 Configruartion provisioning

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

GDMS

Supports secure cloud provisioning using Grandstream Device Management System (GDMS)

HD

Exceptional voice quality with wide-band HD codec

Secure boot, unique certificate and random default password per device, dual firmware images

Telephone Interfaces	GXW4216/4224/4232: 16/24/32 x RJ11 & 1/1/2 50-pin Telco connectors GXW4248: 2 50-pin Telco connectors
Network Interfaces	1 x 10M/100M/1000Mbps auto-sensing RJ45 port
LED indicators	Power, LAN Link, LAN Activity, Connection Per Telephone Port
LCD display	Backlit 132x32 graphic LCD display with support for multiple languages
Voice-over-Packet Capabilities	Window based carrier grade line echo cancellation, dynamic jitter buffer, modern detection & auto-switch to G.711
Voice Compression	G.711, G.723.1, G.726-32, G.729, G.722 (wide band), iLBC, Opus
Fax over IP	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
Telephony Feature	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
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Short/Long Haul	2 REN: Up to 6000ft on 24 AWG
QoS	DiffServ, TOS, 802.1P/Q VLAN tagging
Network Protocols	TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, PPPoE, STUN, LLDP
DTMF Method	Flexible DTMF transmission methods including in-audio, RFC2833, and/or SIP INFO
Signaling	SIP (RFC 3261) over UDP/TCP/TLS
SIP Server Profiles & Accounts Per System	4 distinct SIP server profiles per system and independent SIP account per telephone port
Provisioning	TFTP, HTTP, HTTPS, FTP, FTPS, TR069
Security	SRTP, TLS/SIPS, HTTPS (AES-128 encryption for SRTP, TLS and HTTPS), SecureBoot, random admin passwords
Management	Syslog, HTTPS, SSH, Web browser, voice prompt, TR-069, GDMS
Universal Power Supply	GXW4232/4224/4216: Output: 12VDC, 5A, maximum 60W Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A, maximum 150W Input: 100 ~ 240VAC, 50~ 60Hz
Environmental	Operating: 0 °C ~ 40C; Storage: -10°C ~ 60°C; Humidity: 10% ~90% (non-condensing)
Electrical Protection	Over-voltage and over-current protection (ITU-T Recommendation K.21, Basic Test Level)
Physical	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 Package weight: 3.36KG 4.92KG (GXW4248) 2.76KG 3.78KG (GXW4232) 2.60KG 3.65KG (GXW4224) 2.40KG 3.44KG (GXW4216)
Mounting	Desktop and rack mount with front brackets
Compliance	FCC: Part 15 (CFR 47) Class B IC: ICES-003 CE: EN55032 Class B, EN55035, EN IEC 61000-3-2, EN61000-3-3, EN IEC 62368-1, RoHS C-TICK: AS/NZS CISPR 32 Class B, AS/NZS 62368.1, AS/CA S003.1 ITU-T K.21 (Basic Test Level); UL 60950 (power adapter)