



Partner Marketing Kit



GXW4200 Series V2

GXW4200 Series V2 High Density, Gigabit Gateways

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GXW4200 Series V2 - High Density, Gigabit Gateways

Comparison Charts

This section contains 2 comparison charts that highlight and compare the features of the GXW4200 Series V2 against the previous version as well as competitors.




- 1. GXW4200 Series V2 vs V1
- 2. GXW4200 Series V2 vs Competition

Comparison Charts

GXW4200 Series V2 vs V1

GXW4200 Series V2 vs Competition

GRANDSTREAM GXW4200 Series V2 vs Competition				
	GXW4200 Series V2 (4246, 4224, 4232 & 4248)	Yeastar TA series (1600, 2400 & 3200)	Audio Codes MP124	Dinstar DAG2000 (165, 245 & 325)
FXS Ports	16/24/32/48 RJ11 FXS Ports	16/24/32 RJ11 FXS Ports	24 FXS Ports	16/24/32 RJ11 FXS Ports
Telephone Interfaces	1 RJ21 50-pin telco connector for the GDM4246 AND 4224, 3 RJ21 50-pin telco connectors for the GDM4248 and GDM4248	1 RJ21 50-pin telco connector for the TA1600 and TA2400, 2 RJ21 50-pin telco connector for the TA3200	-	1 G711 50-pin telco connector for the DAG2000-245 and 5 RJ21 50-pin telco connector for the DAG2000-325
LED Indicators	Power, LAN, LAN Activity and Connection per Telephone Port	Port Status and Activity LEDs	-	-
LCD Display	Backlit 128x32 graphic LCD display with support for multiple languages	-	-	-
LAN Port	1x 10M/100M/1000Mbps auto-sensing RJ45 port	1 10M/100Mbps port	1 10/100 Base-T RJ-45	3 10/100Mbps
Web Port	-	1 10M/100Mbps port	-	-
Voice Capabilities	Windows based carrier grade line echo cancellation, dynamic jitter buffer, modern detection of busy search 10 G.711	ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer, PLC	G.168, 300A echo cancellation, silence detection and comfort noise generation, dynamic programmable free buffer	reference suppression, comfort noise activity detection (CNAS), comfort noise
Voice Codes	G.711, G.723, G.726, G.728, G.729, G.722 (wide-band), G.722 (narrow-band)	G.711 (ulaw/linear), G.723, G.726, G.728, G.729A/B, G.729, G.722	G.711 (A-law and u-law), G.723, G.726, G.728, G.729A/B, G.722	G.711A/U law, G.723, G.726, G.728, G.729
Fax Over IP	T.38 compliant Group 3 Fax Relay up to 14 digits and auto switch to G.711 for Fax Pass-through	T.38 and pass-through	Group 3 Super G3 fax over IP, T.38 relay, automatic switching to G.711	T.38 and pass-through
Telephone Features	Caller ID display on back, call waiting, blind or attended call transfer, call forward, do not disturb, 3-way conference, last call return, paging, message waiting indicator LED (PMS/LED), support and queue tone, auto dial	3-way Conference, Attended and Blind Transfer, Call Forward, Caller ID Display, Call Waiting, CO, Direct Call or Calling, Do Not Disturb, Do Not Disturb, Double Calling Plan, Hunting, Group, Transfer, MMR, Speed Dial	3-way conference, message waiting indication, caller ID, PMS, transfer, do not disturb, priority reversal, meeting tones	3-way conference, message waiting, call hold, blind or busy, last call return
Caller ID	Belcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID	BEL202, ETSI V023, NTT V023, and DTMF-based CID	Belcore G83 CORE Type 1 using Bell 202 FSK modulation, ETSI Type 1, NTT, Denmark, India, Brazil, United Kingdom and GDMF ETSI CID-ETS 300-029-1	-
Security/Features	SRTP, TLS/SIPS, HTTPS, AES-128 encryption for SRTP, TLS and HTTPS, Secure boot, random passwords, open VPN, Radius, HTTP, HTTPS, Access Control Lists, 802.1x, Self Firmware Upgrade	Built-in Firewall, IP Blacklist, Attack Alert, Open VPN, Static Route, PPTP, HTTP, HTTPS, PPTP	-	-
QoS	Diffserv, TOS, 802.1P/Q VLAN tagging	Diffserv, TOS, 802.1P/Q VLAN tagging	No QoS	Layer
Mounting	Desktop and Rack Mount with Front Brackets	Desktop and Rack Mount	Table top, rack and wall mountable	-
Power	GRGW4200/4246/4248: Output: 12VDC, 5A, maximum 60W Input: 100-240V, 50-60Hz GRGW4200/4224: Output: 24VDC, 5A, maximum 150W Input: 100-240V, 50-60Hz	AC 100-240V (12V 5.5A)	100-240 V AC/90-60 Hz or 48V DC	Power Supply: 100V Power Cord
Compatibility	Designed and tested for full interoperability with leading IP-PBX, soft switches and SIP-based environments	Incompatible with a wide range of IP-PBX and softswitches	Incompatible with softswitches and SIP Servers	Compatible with all telephony
Management	Syslog, Web browser, voice prompts, supports secure cloud provisioning using Grandstream Device Management System (GDMS), SNMP, SSH, Telnet	Web GUI, Yeastar Remote Management	Web GUI, SSH/Telnet, No cloud Management	Syslog, Web/Telnet, Cloud via Dinstar

GRANDSTREAM GXW4200 series V1 vs. V2		
		
GXW4200 series v2 improves voice quality with 16KHz voice sampling and supports HD voice codecs such as G.722 and OPUS	GXW4200 series v2 supports carrier-grade features including dual firmware images, secure boot, random default password and unique certificate	GXW4200 series v2 has bigger capacity to allow concurrent 3-way conference, fax per port, more memory and flash for future application enhancement/expansion
SPECIFICATIONS		
	GXW4200 Series v1	GXW4200 Series v2
Carrier-Grade Enhancement Features	No	Yes, dual firmware images, extra security and cloud provisioning
Security Protection	SRTP, TLS/SIPS, HTTPS (AES-128 encryption for SRTP, TLS and HTTPS)	SRTP, TLS/SIPS, HTTPS (AES-128 encryption for SRTP, TLS and HTTPS), secure boot, random default password, unique certificate per device
Voice Compression	8KHz voice sampling per port, G.711, G.723.1, G.726 (40/32/24/16), G.729 A/B, ILBC	16KHz voice sampling per port, G.711, G.723, G.726-32, G.729, ILBC, G.722 (wide-band), and OPUS (wide-band), concurrent 3-way conference/fax per port
Provisioning	TFTP, HTTP, HTTPS, TR069	TFTP, HTTP, HTTPS, TR069, FTP, FTPS, GDM
Network Protocols	TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, PPPoE, STUN, LLDP	TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, PPPoE, STUN, LLDP
LCD Display	Backlit 128x32 graphic LCD display with support for multiple languages	Backlit 132x32 graphic LCD display with support for multiple languages
Physical	Unit Weight: 3.21KG Package weight: 4.31KG (GXW4246) 2.63KG 3.68KG (GXW4232) 2.57KG 3.62KG (GXW4224) 2.39KG 3.48KG (GXW4216)	Unit Weight: 3.36KG Package weight: 4.92KG (GXW4248) 2.76KG 3.78KG (GXW4232) 2.60KG 3.65KG (GXW4224) 2.40KG 3.44KG (GXW4216)
Analog Voice Ports	GXW4216/4224/4232: 16/24/32 x RJ11 & 1/12 50-pin Telco connectors GXW4248: 2 50-pin Telco connectors	-
Network Interfaces	1 x 10M/100M/1000Mbps auto-sensing RJ45 port	-
Failover SIP Server Support	Yes	-

GXW High Density, Gigabit Gateways

Product Messaging - GXW4200 Series V2

Tagline	High-Density FXS Gateways		
Subhead	The GXW4200 Series are high-density FXS gateway that enable businesses of all sizes to easily deploy a VoIP solution that takes advantage of Gigabit speeds		
Target Audience	Ideal for business of all sizes and vertical industries, including enterprises, small-to-medium businesses, hospitality, schools, universities, call centers, healthcare, apartment buildings, warehouses, and more.		
Product Description	The GXW4200 Series allow any business to create a cost-effective hybrid IP and analog telephone solution that provides the benefits of VoIP communications while preserving investments in existing analog phones, fax machines, legacy PBX systems, alarm systems, and more. These high-density FXS gateways are fully compliant with SIP standard and interoperable with various VoIP systems, analog PBX and phones on the market. They feature 16, 24, 32 and 48 FXS ports, superb voice quality, a suite of advanced telephony features, easy provisioning, flexible dialing plans, advanced security protection and support for high call volumes. The GXW4200 Series offers businesses and vertical industries a portfolio of high-density FXS gateways that enables them to easily deploy a VoIP solution that takes advantage of Gigabit speeds.		
Customer Challenges	A business or enterprise needs to add analog phones, fax machines, PBX systems, and alarm systems to a SIP/VoIP network, either because they are expanding their network, building a new network, or upgrading to a SIP/VoIP platform.	A hotel, convention center and/or residential complex wants to integrate analog phones, PBX systems, and alarm systems with a SIP/VoIP platform to maintain their investment in those devices while taking advantage of modern SIP platforms and services.	A school or university wants to utilize analog phones, fax machines, PBX systems, and alarm systems with a SIP/VoIP platform to maintain their investment in those devices while taking advantage of modern SIP platforms and services.
Customer Solutions	The GXW4200 Series allow any organization to create a cost-effective hybrid IP and analog telephone solution that provides the benefits of VoIP communications and Gigabit speeds while preserving investments in existing analog phones, fax machines and legacy PBX systems. They feature 16, 24, 32 and 48 FXS ports, superb voice quality, a suite of advanced telephony features, easy provisioning, flexible dialing plans, advanced security protection and support for high call volumes.		

High Density, Gigabit Gateways

Datasheets - GXW4200 Series V2



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



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



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



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



Exceptional voice quality with wide-band HD codec

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Telephone Interfaces	GXW4216/4234/4232: 16/24/32 x RJ11 & 1/1/2 50-pin Telco connectors GXW4248: 2 50-pin Telco connectors
Network Interfaces	1 x 100M/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, G.726-32, G.729, G.722 (wide band), ILBC, OPUS
Fax over IP	T.38 compliant Group 3 Fax Relay up to 14.4kbps 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	Belcore 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, 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, TR-069
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
Universal Power Supply	GXW4232/4234/4216: 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 ~ 40°C; 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) (GXW4216/4234/4232) Package weight: 3.36KG (GXW4248) 2.76KG (GXW4232) 2.60KG (GXW4224) 2.40KG (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, EN IEC 61000-3-3, EN IEC 62368-1, RoHS C-Tick: AS/NZS CISPR 32 Class B, AS/NZS 62368-1, AS/CA 5003.1 (ITU-T K.21 (Basic Test Level), UL 60950 (power adapter)

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Translations

[English](#)

[French](#)

[German](#)

[Italian](#)

[Russian](#)

[Spanish](#)

GXW4200 Series V2 High Density, Gigabit Gateways

Social Graphics

Use the editable template to customize your own social image by adding your logo, or create your own using the elements provided below. Photoshop files as well as PNGs are provided for each product. For paid social promotion it is recommended to use social images with limited to no text.



Social Image w/ Text

[GXW4200 V2 \(PNG\)](#)
[GXW4200 V2 \(PSD\)](#)



Social Image w/o Text

[GXW4200 V2 \(PNG\)](#)
[GXW4200 V2 \(PSD\)](#)



Suggested Social Post Copy

[GXW4200 V2](#)

GXW High Density, Gigabit Gateways

Marketing Assets - GXW4200 Series V2

Product Images

GXW4200_Series V2_1



GXW4200 V2_1

Feature Icons

Gigabit
Security

Auto Provisioning
3-way Conferencing

Failover

Fax

Caller ID

Zero Config

Call forward

Call Transfer

GDMS

HD Audio



Gigabit

Gigabit



Security



Auto Provisioning



3 WAY

3-way Conferencing



Failover



Fax



Caller ID



Zero Config



Call Forward



Call Transfer



GDMS



HD Audio