



**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.



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 simultaneous 3-way voice conferencing per port



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



Supports simultaneous T.38 or pass-through fax-over-IP per port



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 Service (GDMS)  
*pending*



Supports 16KHz wide-band voice sampling rate and wide-band codecs such as Opus and G.722



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

|                                                      |                                                                                                                                                                                                                                   |                  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Telephone Interfaces</b>                          | GXW4216/4224/4232: 16/24/32 x RJ11 & 1/1/2 50-pin Telco connectors<br>GXW4248: 2 50-pin Telco connectors                                                                                                                          |                  |
| <b>Network Interfaces</b>                            | 1 x 10M/100M/1000Mbps auto-sensing RJ45 port                                                                                                                                                                                      |                  |
| <b>LED indicators</b>                                | Power, 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, G.726-32, G.729, G.722 (wide band), iLBC, Opus (wide-band)                                                                                                                                                          |                  |
| <b>Fax over IP</b>                                   | 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                                                                         |                  |
| <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>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>Short/Long Haul</b>                               | 2 REN: Up to 6000ft on 24 AWG                                                                                                                                                                                                     |                  |
| <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, 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, FTP, FTPS, TR069                                                                                                                                                                                               |                  |
| <b>Security</b>                                      | SRTP, TLS/SIPS, HTTPS (AES-128 encryption for SRTP, TLS and HTTPS), SecureBoot, random admin passwords                                                                                                                            |                  |
| <b>Management</b>                                    | Syslog, HTTPS, SSH, Web browser, voice prompt, TR-069                                                                                                                                                                             |                  |
| <b>Universal Power Supply</b>                        | GXW4232/4224/4216:<br>Output: 12VDC, 5A, maximum 60W<br>Input: 100 ~ 240VAC, 50 ~ 60Hz<br>GXW4248:<br>Output: 24VDC, 6.25A, maximum 150W<br>Input: 100 ~ 240VAC, 50~ 60Hz                                                         |                  |
| <b>Environmental</b>                                 | Operating: 0 °C ~ 40°C; Storage: -10°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:<br>440mm (L) x 255mm (W) x 44mm (H) (1U) (GXW4248)<br>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) |
| <b>Mounting</b>                                      | Desktop and rack mount with front brackets                                                                                                                                                                                        |                  |
| <b>Compliance</b>                                    | FCC: Part 15 (CFR 47) Class B<br>IC: ICES-003                                                                                                                                                                                     |                  |
|                                                      | CE: EN55032 Class B, EN55035, EN IEC 61000-3-2, EN61000-3-3, EN IEC 62368-1, RoHS<br>C-TICK: AS/NZS CISPR 32 Class B, AS/NZS 62368.1, AS/CA S003.1<br>ITU-T K.21 (Basic Test Level); UL 60950 (power adapter)                     |                  |