

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.



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



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



TLS and SRTP security encryption technology to protect calls and accounts



Supports T.38 Fax for creating Faxover-IP



Automated provisioning options include TR-069 and XML config files



Supports a wide range of caller ID formats



Supports 3-way voice conferencing



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, multilanguage promtps, flexible dial plan and more

Telephone Interfaces Metwork Interfaces Network Interfaces 1 x 10M/100M/1000Mbps auto-sensing RJ45 port LED Indicators LAD Link, LAN Activity, Connection Per Telephone Port LCD display Backlit 128/32 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.76 (40/32/24/16), G.729 //B, ILBC Fax over IP Telephony Feature Caller ID display or bothor, call waining, bill for antended call transfer, call forward, do not disturb, 3-way conference, last call return, paging, message waining indicator LED (NEON LED) support and stutler tone, auto dial Ops Diffsery, TOS, 803.1/PQ VLAN tragging Network Protocols TCP/IUDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, PPPOE, STUN, LLDP DTM Method Flexible DTMF transmission methods including in-audio, RTC2833, and/or SIP INFO Signaling SIP (RFC 3261) over UDP/TCP/TLS 4 distinct SIP server profiles & Accounts Per 4 distinct SIP server profiles per system and independent SIP account per telephone port Provisioning TFTP, HTTP, HTTTPS, RD69 Gervina Provision of Carley Caller County Info Caller Call		
LED indicators LCD display Backlit 128x32 graphic LCD display with support for multiple languages Woice-over-Packet Capabilities Window based carrier grade line echo cancellation, dynamic jutter buffer, modern detection & auto-switch to G.711 Voice Compression G.711, G.723.1, G.76 (40/32/24/16), G.729 A/B, iLBC 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.27fer, V.29 for T.38 fax relay 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 sturter tone, auto dial QoS Diffserv, TOS, 802.1P/Q VLNN tagging Network Protocols ICP/UDP, RIP/RICP, HITP/HITPS, ARP, ICMP, DNS, DHCP, NTP, TETP, TELNET, PPPoE, STUN, LLDP DTMF Method Flexible DTMF transmission methods including in-audio, RFC2833, and/or SIP INFO Signaling SIP Server Profiles & Accounts Per System 4 distinct SIP server profiles per system and independent SIP account per telephone port Provisioning TETP, HITP, HITTPS, TR669 Security SRTP, TLS/SIPS, HITPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GMX4232/4224/4216; Output: 12VDC, SS/c input: 100 - 240VAC, 50 - 60Hz GMX4238; Output: 42VDC, 6.2S/c input: 100 - 240VAC, 50 - 60Hz GMX4238; Output: 42VDC, 6.2S/c input: 100 - 240VAC, 50 - 60Hz GMX4238; Output: 42VDC, 6.2S/c input: 100 - 240VAC, 50 - 60Hz GMX4238; Output: 42VDC, 6.2S/c input: 100 - 340VAC, 50 - 60Hz GMX4238; Output: 100 - 240VAC, 50 - 60Hz GMX4238; Output: 100 - 240VA	Telephone Interfaces	
LCD display Backlit 128/32 graphic LCD display with support for multiple languages	Network Interfaces	1 x 10M/100M/1000Mbps auto-sensing RJ45 port
Voice-over-Packet Capabilities Voice Compression Of 3,711, G.7231, A.754, A.756 (40/32/24/16), G.729 A/B, ILBC 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.271, V.271er, V.29 for T.38 fax relay Caller ID display or blook, call wating 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 QoS Diffserv, T.OS, 802.1PAQ VLAN tagging Network Protocols TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, PPPOE, STUN, LDP DTMF Method Flexible DTMF transmission methods including in-audio, RFC2833, and/or SIP INFO Signaling SIP (RFC 3261) over UDP/TCF/TLS SIP Server Profiles & Accounts Per System Provisioning FTFP, HTTP, HTTTPS, R069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management System; FIFP, Web browser, voice prompt, TR-069 CXW42321A224/4216: Output: 24VDC, 62,54; Input: 100 – 240VAC, 50 – 60Hz GXW42438: Output: 24VDC, 62,54; Input: 100 – 240VAC, 50 – 60Hz GXW4248: Output: 24VDC, 62,54; Input: 100 – 240VAC, 50 – 60Hz GXW4248: Output: 24VDC, 62,54; Input: 100 – 240VAC, 50 – 60Hz GXW4248: Output: 24VDC, 62,54; Input: 100 – 240VAC, 50 – 60Hz CXW4248: Output: 24VDC, 62,54; Input: 100 – 240VAC, 50 – 60Hz Unit dimension: 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440mm (L) x 125mm (W) x 44mm (H) (LU) (GXW4248) 440	LED indicators	LAN Link, LAN Activity, Connection Per Telephone Port
Voice Compression Fax over IP Fax over IP Tall Complaint 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 Caller ID display or block, call waiting, blind or attended call transfer, call forward, do not support and stutter tone, auto dial Qos Diffserv, TOS, 802.1P/Q VLAN tagging Network Protocols TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFIP, TELNET, PPPoE, STUN, LLDP DTMF Method Flexible DTMF transmission methods including in-audio, RFC2833, and/or SIP INFO Signaling SIP (RFC 23261) over UDP/TCP/TLS SIP Server Profiles & Accounts Per System Provisioning TFIP, HTTP, HTTTPS, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Sysiog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GXW22324224/216-0 cutput: 12/VDC, 54, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW22482-0 cutput: 24/VDC, 6.25A, Input: 100 – 240VAC, 50 – 60Hz GXW24882-0 cutput: 24/VDC, 6.25A, Input: 100 – 24/VAC, 50 – 60Hz GXW24882-0 cutput: 24/VDC, 6.25A, Input: 100 – 24/VAC, 50 – 60Hz GXW24882-0 cutput: 24/VDC, 6.25A, Input: 100 – 24/VAC, 50 – 60Hz GXW24882-0 cutput: 24/VDC, 6.25A, Input: 100 – 24/VAC, 50 – 60Hz GXW24882-0 cutput: 24/VDC, 50 – 60Hz GXW248	LCD display	Backlit 128x32 graphic LCD display with support for multiple languages
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.27 for, V.29 for T.38 fax relay 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 Qos DiffServ, TOS, 802.1P/Q VLAN tagging Network Protocols TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, 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 4 distinct SIP server profiles per system and independent SIP account per telephone port Provisioning TFTP, HTTP, HTTPS, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GXWAV238: Output: 24VD, C.6254, Input: 100 – 240VAC, 50 – 60Hz Environmental Operating: 0 °C – 40C; Storage: 20°C – 60°C; Humidity: 10% –90% (non-condensing) Electrical Protection Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level) Unit dimension: 440nm (L) x 255mm (W) x 44mm (H) (TU) (GXW4248) 440mm (L) x 185mm (W) x 44mm (H) (TU) (GXW4248) Physical Unit Weight: 3.31KG; Package weight: 4.31KG (GXW4224) 2.38KG; 3.68KG (GXW4224) 2.38KG; 3.68KG (GXW4224) 2.38KG; 3.48KG (GXW4224) 2.38KG; 3.68KG (GXW4224) 2.38KG; 5.86KG (GXW4224) 2.38KG; 5.86KG (GXW4224) 2.38KG; 5.86KG (GXW4224) 2.38KG; 5.86KG (GXW4224) 2.38	Voice-over-Packet Capabilities	
Telephony Feature Telephony Feature Telephony Feature Telephony Feature Telephony Feature 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 QoS DiffServ, TOS, 802.1P/Q VLAN tagging Network Protocols TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, 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, HTTPS, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GWM2323/4224/4216: Output: 12VDC, 5A: Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4216: Output: 12VDC, 5A: Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4216: Output: 12VDC, 5A: Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4216: Output: 12VDC, 5A: Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4216: Output: 12VDC, 5A: Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4216: Output: 12VDC, 5A: Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4216: Output: 12VDC, 5A: Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4230: Output: 24VDC, 6:25A; Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4230: Output: 24VDC, 6:25A; Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4230: Output: 24VDC, 6:25A; Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4230: Output: 24VDC, 6:25A; Input: 100 – 240VAC, 50 – 60Hz GWM2323/4224/4230: Output: 24VDC, 6:25A; Input: 100 – 240VAC, 50 – 60Hz GWM2323/4244, Input: 100 – 240VAC, 50 – 6	Voice Compression	G.711, G.723.1, G.76 (40/32/24/16), G.729 A/B, iLBC
Telephony Feature disturb, 3-way conference, last call return, paging, message waiting indicator LED (NEON LED) support and stutter tone, auto dial Qos Diffserv, TOS, 802.1P/Q VLAN tagging Network Protocols TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TFIP, TELNET, 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 Provisioning TFTP, HTTP, HTTTPS, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 GXW4232/4224/4216: Output: 12VDC, 5A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 32VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 32VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 32VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 32VDC, 50, 50 ~ 60Hz GXW4248: Output: 32VDC, 50 ~ 60Hz GXW4248: Output: 32VDC, 50, 50 ~ 60Hz GXW4248: Output: 32VDC, 50, 50 ~ 60Hz GXW4248: Output: 32VDC, 50, 50 ~ 60Hz GXW4248: Output: 32VDC, 50 ~ 60Hz GXW4248: Output: 32V	Fax over IP	
Network Protocols LLDP TCP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS, DHCP, NTP, TETP, TELNET, 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 Provisioning TFTP, HTTP, HTTPS, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GXW4232/4224/4216: Output: 12VDC, 54: Input: 100 ~ 240VAC, 50 ~ 60Hz GXW42248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW42248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW42248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW42248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW42248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW42248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4249: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4249: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4249: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4249: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4249: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4249: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4249: Output: 24VDC, 6.25A; Input: 100 ~	Telephony Feature	disturb, 3-way conference, last call return, paging, message waiting indicator LED (NEON LED)
DTMF Method Flexible DTMF transmission methods including in-audio, RFC2833, and/or SIP INFO	QoS	DiffServ, TOS, 802.1P/Q VLAN tagging
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, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GxW4232/4224/4216: Output: 12VDC, 5A; Input: 100 ~ 240VAC, 50 ~ 60Hz Environmental Operating: 0 °C ~ 40C; Storage: -20°C ~ 60°C; Humidity: 10% ~ 90% (non-condensing) Electrical Protection Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level) Unit dimension: 440mm (L) x 255mm (W) x 44mm (H) (1U) (GXW4216/4224/4232) Unit Weight: 3.21KG; Package weight: 4.31KG (GxW4216) 2.63KG; 3.68KG (GXW4224) 2.57KG; 3.62KG (GXW4224) 2.39KG; 3.48KG (GXW42216) Mounting Desktop and rack mount with front brackets LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 182, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current FCC: Part 15 (CFR 47) Class B, ENS5024, EN61000-3-2, EN16000-3-3, EN60950-1, ROHS C-TICK; AS/NZS CISPR 22 Class B, AS/NZS CISPR 24, AN/NZS 60950	Network Protocols	
SIP Server Profiles & Accounts Per System Provisioning TFTP, HTTP, HTTTPS, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GXW4232/4224/4216: Output: 12VDC, 5A; Input: 100 - 240VAC, 50 - 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Output: 24VDC, 6.25A; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Input: 100 - 240VAC, 50 - 60Hz GXW4248; Input:	DTMF Method	Flexible DTMF transmission methods including in-audio, RFC2833, and/or SIP INFO
Provisioning TFTP, HTTP, HTTTPS, TR069 Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Sysiog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GXW4232/4224/4216: Output: 12VDC, 5A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 100 ~ 240	Signaling	SIP (RFC 3261) over UDP/TCP/TLS
Security SRTP, TLS/SIPS, HTTPS, 802.1x Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GXW4232/4224/4216: Output: 12VDC, 5A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Inpu: 100 ~ 240VAC, 50 ~ 60Hz Environmental Operating: 0 °C ~ 40C; Storage: -20°C ~ 60°C; Humidity: 10% ~90% (non-condensing) Electrical Protection Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level) Unit dimension: 440mm (L) x 255mm (W) x 44mm (H) (1U) (GXW4248) 440mm (L) x 185mm (W) x 44mm (H) (1U) (GXW4248) 101t Weight: 3.21KG; Package weight: 4.31KG (GXW4248) 2.57KG; 3.62KG (GXW4224) 2.39KG; 3.48KG (GXW4224) 2.39KG; 3.48KG (GXW4216) Mounting Desktop and rack mount with front brackets LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current FCC: Part 15 (CFR 47) Class B FCS: DSS B, RSS/NZS CISPR 24, AN/NZS 60950		4 distinct SIP server profiles per system and independent SIP account per telephone port
Management Syslog, HTTPS, Web browser, voice prompt, TR-069 Universal Power Supply GXW4232/4224/216: Output: 12VDC, 5A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Input: 100 ~ 240VAC, 50 ~ 60Hz Environmental Operating: 0 °C ~ 40C; Storage: -20 °C ~ 60 °C; Humidity: 10% ~90% (non-condensing) Electrical Protection Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level) 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 (GXW4224) 2.39KG; 3.48KG (GXW4216) Mounting Desktop and rack mount with front brackets LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current FCC: Part 15 (CFR 47) Class B, RS/50224, EN61000-3-2, EN16000-3-3, EN60950-1, RoHS C-TICK; AS/NZS CISPR 22 Class B, RS/NZS CISPR 24, AN/NZS 60950	Provisioning	TFTP, HTTP, HTTTPS, TR069
Universal Power Supply GXW4232/4224/4216: Output: 12VDC, 5A; Input: 100 ~ 240VAC, 50 ~ 60Hz GXW4248: Output: 24VDC, 6.25A; Inpu: 100 ~ 240VAC, 50 ~ 60Hz Environmental Operating: 0 °C ~ 40C; Storage: -20°C ~ 60°C; Humidity: 10% ~ 90% (non-condensing) Electrical Protection Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level) 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 (GXW42216) Mounting Desktop and rack mount with front brackets LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current FCC: Part 15 (CFR 47) Class B CE: ENS5022 Class B, ENS5024, EN61000-3-2, EN16000-3-3, EN60950-1, RoHS C-TICK; AS/NZS CISPR 22 Class B, AS/NZS CISPR 24, AN/NZS 60950	Security	SRTP, TLS/SIPS, HTTPS, 802.1x
Environmental Operating: 0 °C ~ 40C; Storage: -20°C ~ 60°C; Humidity: 10% ~90% (non-condensing) Electrical Protection Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level) Unit dimension: 440mm (L) x 255mm (W) x 44mm (H) (1U) (GXW4248) 440mm (L) x 185mm (W) x 44mm (H) (1U) (GXW4248) (Original Condension) Physical Unit Weight: 3.21KG; Package weight: 4.31KG (GXW4248) 2.63KG; 3.68KG (GXW4224) 2.57KG; 3.62KG (GXW4224) 2.39KG; 3.48KG (GXW4216) Mounting Desktop and rack mount with front brackets LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current FCC: Part 15 (CFR 47) Class B ECE: EN55022 Class B, EN55024, EN61000-3-3, EN60950-1, RoHS C-TICK; AS/NZS CISPR 22 Class B, AS/NZS CISPR 24, AN/NZS 60950	Management	Syslog, HTTPS, Web browser, voice prompt, TR-069
Electrical Protection Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level) 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 (GXW4224) 2.63KG; 3.68KG (GXW4224) 2.57KG; 3.62KG (GXW4224) 2.39KG; 3.48KG (GXW4216) Mounting Desktop and rack mount with front brackets LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current FCC: Part 15 (CFR 47) Class B CE: ENS5022 Class B, ENS5024, EN61000-3-2, EN16000-3-3, EN60950-1, RoHS C-TICK; AS/NZS CISPR 22 Class B, AS/NZS CISPR 24, AN/NZS 60950	Universal Power Supply	
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) Mounting Desktop and rack mount with front brackets LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current 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	Environmental	Operating: 0 °C ~ 40C; Storage: -20°C ~ 60°C; Humidity: 10% ~90% (non-condensing)
Physical Phy	Electrical Protection	Over-voltage and over-current protection (ITU-T Reccomendation K.21, Basic Test Level)
LED Indicators Power, LAN Link/Activity, Hard Drive Activity Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current 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	Physical	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)
Short & Long Haul 2 REN, up to 6000ft on 24 AWG wire Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current 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	Mounting	Desktop and rack mount with front brackets
Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current 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	LED Indicators	Power, LAN Link/Activity, Hard Drive Activity
Disconnect Methods Busy Tone, Polarity Reversal/Wink, Loop Current 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	Short & Long Haul	2 REN, up to 6000ft on 24 AWG wire
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	Caller ID	Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID
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	Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
	Compliance	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