

Grandstream GXW4216 v2 FXS Analog VoIP Gateway (GXW4216-v2)



Product Name: Grandstream GXW4216 v2 FXS Analog VoIP Gateway (GXW4216-v2)

Manufacturer: Grandstream

Model Number: GXW4216-v2

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The GXW4216 version 2 is part of Grandstream's high-density FXS gateway series enables businesses of all sizes to create a cost-effective hybrid IP and analogue telephone system that offers the benefits of VoIP communications and takes advantage of Gigabit speeds while preserving investment on existing analogue phones, fax machines and legacy PBX systems.

Grandstream GXW4216v2 FXS Analog VoIP Gateway Key Features

- 16 FXS, 1 GigE, near HD quality audio
- 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, multilanguage 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

The GXW4216 has 16 FXS ports, a Gigabit network port and features broad interoperability with most service providers, soft-switches and SIP-based environments.

Grandstream GXW4216v2 - Technical Specifications

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 128x32 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

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Voice Compression

• G.711, G.723, G.726-32, G.729, G.722 (wide band), iLBC, Opus (wide-band)

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

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

Universal Power Supply

• GXW4232/4224/4216: Output: 12VDC, 5A, maximum 60W / Input: 100 ~ 240VAC, 50 ~ 60Hz

• GXW4248: Output: 24VDC, 6.25A, maximum 150W

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Input: 100 ~ 240VAC, 50~ 60Hz

Environmental

Operating: 0 °C ~ 40°C; Storage: -10°C ~ 60°C; Humidity: 10% ~90% (non-condensing)

Electrical Protection

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: - 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, 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)

Price: £346.30