

Grandstream Networks, Inc.

GXW42xx – Quick Installation Guide



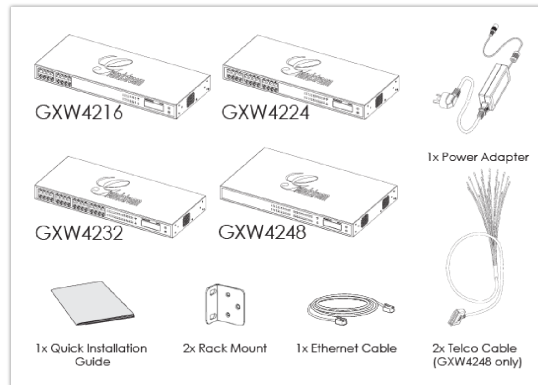
OVERVIEW

Grandstream GXW42XX series FXS Analog IP Gateway offer an easy to manage, easy to configure IP communications solution for any business with virtual and/or branch locations. The GXW42XX series support popular voice codecs and is designed for full SIP compatibility and interoperability with third party SIP providers, thus enabling you to fully leverage the benefits of VoIP technology, integrate a traditional phone system into a VoIP network, and efficiently manage communication costs. The GXW42XX series have a compact design, and offer superb audio quality, rich feature functionality, strong security protection, and good manageability. It is auto-configurable, remotely manageable and scalable.

Precautions:

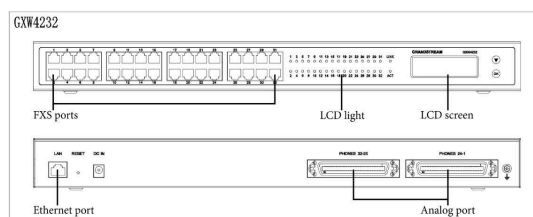
- Do not attempt to open, disassemble, or modify the device
- Do not use a third party power adapter
- Do not expose this device to temperatures outside range of **Operation:** 0°C to 45°C
Storage: -20°C to 60°C
- Do not expose the device to environments outside of the following humidity range:
10% to 90% Non-condensing
- Do NOT power cycle the Analog IP Gateway during system boot up or firmware upgrade. You may corrupt firmware images and cause the unit to malfunction.

PACKAGE CONTENTS



CONNECTING THE GXW42XX Series

Refer to the illustration below when following the instructions on the next page.



Here is the example for GXW4232.

CONNECTING THE GATEWAY

- Connect a standard touch-tone analog telephone (or fax machine) to the FXS analog port on the front panel (GXW4248 has no FXS port, and it needs to use the telco cable to connect the RJ21 port on its back panel, see section "Telecom Port Installation" for details).
- Insert the Ethernet cable into the LAN port of GXW42XX and connect the other end of the Ethernet cable to an uplink port (a router, a modem, etc.).
- Using the embedded web server or IVR (Interactive Voice Prompt) menu, you can further configure the gateway using either a static IP or DHCP.

GXW42XX CONFIGURATION

Configure using Interactive Voice Prompt

From the analog phone, press *** to get into the IVR menu. Follow the voice instruction, and configure the setting.

Configure using embedded web server

1. From the analog phone, press *** to get into the IVR menu. Enter option 002 to obtain the Gateway's IP address.
2. Type the device's IP address in your PC browser.
3. Log in using password "admin" to configure the Gateway.

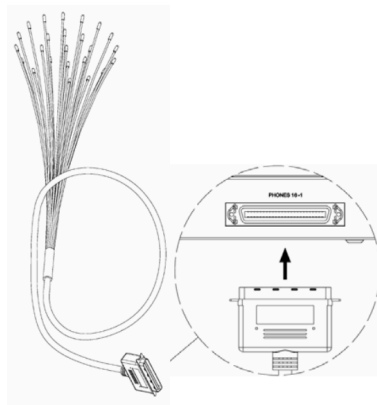
You will need the following information to configure the GXW42XX series via the web browser:

- o IP address, subnet mask and gateway IP if using static IP.
- o Each SIP server and/or Outbound Proxy FQDN or IP address for one Profile (4 in total).
- o User subscriber information: User ID, Authentication ID, Password under FXS port label.
- o Please contact your ITSP for additional settings that may be necessary to configure the device.

TELECOM PORT INSTALLATION

GXW42xx use 50-pins RJ21 Telco Amphenol port as alternative interface (For GXW4248, telco port is mandatory) for connection to analog devices, such as analog telephone or fax machine.

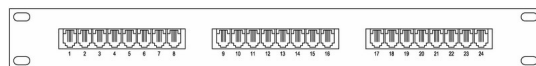
When installing the telco port, a common RJ21 Telco Amphenol 50 pin 25 pair cable is needed (included in the GXW4248 package only). You can connect the cable to a RJ11 patch panel, which could provide a better cable management in most scenarios.



Note:

Only GXW4248 package has telco cables included, and telco cables header will be RJ21 to 25 blunt pairs.

Below is a picture of RJ11 female port patch panel.



Following table shows the correspondent relation between the No. of each Telco cable's RJ11 crystal head and the real FXS port number of GXW42xx.

Telecom cable RJ11 No.		1	2	3	4	5	6	7
GXW4216		1	2	3	4	5	6	7
GXW4224		1	2	3	4	5	6	7
GXW4232	Right	1	2	3	4	5	6	7
	Left	25	26	27	28	29	30	31
GXW4248	Right	1	2	3	4	5	6	7
	Left	25	26	27	28	29	30	31

Note:

Row "Right" indicates the righthand side telco port, when you facing the back panel of GXW42xx, and "Left" is the left telco port.

The GXW42XX Series is not pre-configured to support or carry emergency calls to any type of hospital, law enforcement agency, medical care unit ("Emergency Service(s)") or any other kind of Emergency Service. You must make additional

arrangements to access Emergency Services. It is Your responsibility to purchase SIP-compliant Internet telephone service, properly configure the GXW42XX series to use that service, and periodically test your configuration to confirm that it works as You expect. If You do not do so, it is Your responsibility to purchase traditional wireless or landline telephone services to access Emergency Services.

GRANDSTREAM DOES NOT PROVIDE CONNECTIONS TO EMERGENCY SERVICES VIA THE GXW42XX SERIES. NEITHER GRANDSTREAM NOR ITS OFFICERS, EMPLOYEES OR AFFILIATES MAY BE HELD LIABLE FOR ANY CLAIM, DAMAGE, OR LOSS, AND YOU HEREBY WAIVE ANY AND ALL SUCH CLAIMS OR CAUSES OF ACTION ARISING FROM OR RELATING TO YOUR INABILITY TO USE THE GXW42XX SERIES TO CONTACT EMERGENCY SERVICES, AND YOUR FAILURE TO MAKE ADDITIONAL ARRANGEMENTS TO ACCESS EMERGENCY SERVICES IN ACCORDANCE WITH THE IMMEDIATELY PRECEDING PARAGRAPH.

Please download the user manual and FAQ for more detailed configuration instructions: <https://www.grandstream.com/products>

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Note: For European Union only