

GXV42XX V2 FIRMWARE RELEASE NOTES

IMPORTANT UPGRADING NOTE

Hardware	Firmware Version	Restrictions and Cautions
GXW4224 V2 GXW4232 V2 GXW4248 V2 Hardware V1.0E	1.0.29.6+	Cannot be downgraded to 1.0.27.3 or lower.
GXW42xx V2	1.0.7.2+	Cannot be downgraded to 1.0.5.4 or lower (due to the addition of 2 nd generation individual certificate support).
GXW42xx V2	1.0.3.x+	Cannot be downgraded to 1.0.2.x or lower.
GXW42xx V2	1.0.1.4 or earlier	Please upgrade to 1.0.3.9 first before upgrading to latest firmware. To upgrade to 1.0.3.9, the HTTP firmware upgrade path is: <u>firmware.grandstream.com/GXW42xx_V2_1.0.3.9_for_fw_1.0.1.4_or_lower</u>

Note:

GXW42xx V2 device uses a different firmware file from the GXW42xx V1 device. Please use the correct firmware file for V1 and V2 devices. To distinguish GXW42xx V2 device from V1 device, please check the label on the back of the device.

(1) GXW42xx V2 has “V2” printed for model name. For example, “Model: GXW4216 V2”. If the model’s name doesn’t have V1 or V2 printed, the device is GXW42xx V1.

(2) GXW42xx V2 has the device password printed on the label. GXW42xx V1 does not have it.

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FIRMWARE VERSION 1.0.35.1

PRODUCT NAME

GXW4216 V2, GXW4224 V2, GXW4232 V2, GXW4248 V2

DATE

09/14/2026

COMPONENT VERSIONS

System 1.0.35.1; Core 1.0.35.1; Base 1.0.35.1; Boot 1.0.35.3; CPE 1.0.5.44

FIRMWARE FILE INFORMATION

- GXW4216 V2 firmware file name: gxw4216v2fw.bin
MD5: 3664287ce73af93bb94c718002d9f2c9
- GXW4224 V2 firmware file name: gxw4224v2fw.bin
MD5: 8e4394d463f284e01b3b9ff5b300a5b6
- GXW4232 V2 firmware file name: gxw4232v2fw.bin
MD5: fff3b6c63e2b007827f94451c593c279
- GXW4248 V2 firmware file name: gxw4248v2fw.bin
MD5: 50e8b8cce827b6984033ae5d67b95a11

CHANGES SINCE FIRMWARE VERSION 1.0.33.11

ENHANCEMENTS

- Added support for "Send SIP INFO with RFC2833". [FORCE DTMF TO BE SENT VIA SIP INFO SIMULTANEOUSLY]
- Added support for separate SUBSCRIBE timers. [SUBSCRIBE EXPIRATION]
- Optimized the provisioning protocols for firmware. [FIRMWARE UPGRADE VIA]
- Optimized the provisioning protocols for configuration [CONFIG UPGRADE VIA]
- Added wildcard support ({PN}, \$PN, \${PN}) for PN, MAC, VendorName, ModelName, HwVersion, FirmwareVersion, and Suffix across provisioning parameters (override_tftp_server, Firmware Server Path(P192), Config Server Path (P237), HTTP User-Agent header(P1541), SIP User-Agent (P29071/P29171/P29271/P29371)).
- Added support for Layer 2 QoS 802.1p Priority Value. [LAYER 2 QOS 802.1P PRIORITY VALUE FOR SERVICE INTERFACE]
- Added support for the HTTP User-Agent header. [HTTP USER-AGENT HEADER]

BUG FIXES

- Fixed an issue where the device could not use special characters in the admin password.

- Fixed an issue where Direct IP Calling did not route calls to the configured Local SIP Port.
- Fixed the issue where the HT returned a 9003 fault code for AuthUserName during TR069 SetParameterValues.
- Fixed an issue where the 802.1Q tag was not added when "Enable Manual VLAN" was enabled.
- Fixed internal bugs.

NEW FEATURES OVERVIEW

FORCE DTMF TO BE SENT VIA SIP INFO SIMULTANEOUSLY

- **Web Configuration**

Users can find the configuration section in Web -> Profile -> Audio Settings.

DTMF-RELAY Tag Respect SIP INFO	☒ No ☐ Yes
Force DTMF to be sent via SIP INFO simultaneously	☒ No ☐ Yes
Disable DTMF Negotiation	☒ No ☐ Yes

- **Functionality**

This feature allows users to configure the “Force DTMF to be sent via SIP INFO simultaneously” setting. When this option is enabled, DTMF digits are forcibly transmitted using SIP INFO in parallel with other methods.

- **Configuration Parameters**

Web UI Configuration	P Number	P Value/Range
Force DTMF to be sent via SIP INFO simultaneously	P28794 P28795 P28796 P28797	Number: 0 – No (Default) 1 – Yes

SUBSCRIBE EXPIRATION

- **Web Configuration**

Users can find the configuration section in Web -> Profile -> SIP Settings->Basic Settings.

Register Expiration	60
Subscribe Expiration	60
SIP Registration Failure Retry Wait Time	20

- **Functionality**

This feature allows users to configure the “Subscribe Expiration” setting. When this option is enabled, It specifies the frequency (in minutes) in which the gateway refreshes its subscription with the specified registrar. The maximum value is 64800 (about 45 days).

- **Configuration Parameters**

Web UI Configuration	P Number	P Value/Range
Subscribe Expiration	P26051 P26151 P26251 P26351	Number: 1 – 64800 (Default is 60)

FIRMWARE UPGRADE VIA

- **Web Configuration**

Users can find the configuration section in Web ->Maintenance -> Firmware.

Upgrade

Upgrade via
☐ TFTP
 ☐ HTTP
 ☒ HTTPS
 ☐ FTP
 ☐ FTPS

Firmware Server Path

HTTP/HTTPS/FTP/FTPS User Name

HTTP/HTTPS/FTP/FTPS Password

- **Functionality**

This feature allows users to configure firmware upgrade settings. Users can independently configure the firmware upgrade provisioning protocol, along with the username and password.

- **Configuration Parameters**

Web UI Configuration	P Number	P Value/Range
Firmware Upgrade Via	P6767	Number: 0 - TFTP 1 - HTTP 2 - HTTPS (Default) 3 - FTP 4 - FTPS
Firmware HTTP/HTTPS/FTP/FTPS User Name	P6768	String
Firmware HTTP/HTTPS/FTP/FTPS Password	P6769	String

CONFIG UPGRADE VIA

- Web Configuration**

Users can find the configuration section in Web ->Maintenance -> Config File.

Config File

Lock Keypad Update ☒ No ☐ Yes

Upgrade via ☐ TFTP ☐ HTTP ☒ HTTPS ☐ FTP ☐ FTPS

Config Server Path

HTTP/HTTPS/FTP/FTPS User Name

HTTP/HTTPS/FTP/FTPS Password

- Functionality**

This feature allows users to configure config upgrade settings. Users can independently configure the config upgrade provisioning protocol, along with the username and password.

- Configuration Parameters**

Web UI Configuration	P Number	P Value/Range
Config Upgrade Via	P212	Number: 0 - TFTP 1 - HTTP 2 - HTTPS (Default) 3 - FTP 4 - FTPS
Config HTTP/HTTPS/FTP/FTPS User Name	P1360	String
Config HTTP/HTTPS/FTP/FTPS Password	P1361	String

LAYER 2 QOS 802.1P PRIORITY VALUE FOR SERVICE INTERFACE

- Web Configuration**

Users can find the configuration section in Web ->Maintenance -> Network Settings.

Layer 2 QoS 802.1Q/VLAN Tag for Service Interface

Layer 2 QoS 802.1p Priority Value for Service Interface

Layer 2 QoS 802.1p Priority Value for SIP signaling

- **Functionality**

This feature allows users to configure Layer 2 QoS 802.1p Priority Value for Service Interface. Users could assign the priority value of the Layer 2 QoS packets for Service Interface. Valid range is 0 to 7.

- **Configuration Parameters**

Web UI Configuration	P Number	P Value/Range
Layer 2 QoS 802.1p Priority Value for Service Interface	P87	Number: 0 – 7 (Default is 0)

HTTP USER-AGENT HEADER

- **Web Configuration**

Users can find the configuration section in Web ->Maintenance -> Network Settings.

Advanced Network Settings

HTTP/HTTPS User Agent

Maximum Transmission Unit (MTU)

- **Functionality**

This feature allows users to configure HTTP/HTTPS User Agent. It configures the user-agent for HTTP/HTTPS request.

- **Configuration Parameters**

Web UI Configuration	P Number	P Value/Range
HTTP User-Agent header	P1541	String

PREVIOUS FIRMWARE VERSIONS

Version	Date	Firmware Information
1.0.35.1	09/14/2026	
1.0.33.11	07/15/2026	Release Notes
1.0.33.3	10/23/2025	Release Notes
1.0.31.2	07/03/2025	Release Notes
1.0.29.7	01/20/2025	Release Notes
1.0.27.3	10/03/2024	Release Notes
1.0.25.2	05/23/2024	Release Notes
1.0.25.1	04/26/2024	Release Notes
1.0.23.2	04/16/2024	Release Notes
1.0.21.2	12/11/2023	Release Notes
1.0.19.1	10/18/2023	Release Notes
1.0.17.1	09/05/2023	
1.0.15.2	05/05/2023	
1.0.13.2	03/10/2023	
1.0.11.2	01/10/2023	
1.0.9.1	11/04/2022	
1.0.7.2	10/11/2022	Release Notes
1.0.5.4	08/10/2022	Release Notes
1.0.3.9	08/08/2022	Release Notes
1.0.3.4	05/13/2022	