

# GXW4216 V2/GXW4224 V2/GXW4232 V2/GXW4248 V2

## Firmware Release Notes

### IMPORTANT UPGRADING NOTE

- Once the GXW42xx V2 device is upgraded to 1.0.7.2, it cannot be downgraded to 1.0.5.4 or an earlier version due to the addition of 2nd generation individual certificates.
- 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.
- For GXW42xx V2 device on 1.0.1.4 or earlier version to upgrade to 1.0.3.4+, the HTTP firmware upgrade path is:  
[firmware.grandstream.com/GXW42xx\\_V2\\_1.0.3.9\\_for\\_fw\\_1.0.1.4\\_or\\_lower](http://firmware.grandstream.com/GXW42xx_V2_1.0.3.9_for_fw_1.0.1.4_or_lower)
- For GXW42xx V2 device on 1.0.3.1 or higher version to upgrade to 1.0.3.4+, the HTTP firmware upgrade path is:  
[firmware.grandstream.com/GXW42xx\\_V2\\_1.0.3.9\\_for\\_fw\\_1.0.3.1\\_or\\_higher](http://firmware.grandstream.com/GXW42xx_V2_1.0.3.9_for_fw_1.0.3.1_or_higher)
- For devices on firmware 1.0.1.4 or earlier, please use file "gxw42xxfw.v2.bin" to upgrade.
- For devices on firmware 1.0.3.1 or higher, please use file "gxw42xxv2fw.bin" to upgrade.
- Once the GXW42xx V2 device is upgraded to 1.0.3.x, it cannot be downgraded to 1.0.2 x or earlier version.

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## FIRMWARE VERSION 1.0.7.2

### PRODUCT NAME

GXW4216 V2/GXW4224 V2/GXW4232 V2/GXW4248 V2

### DATE

10/11/2022

### FIRMWARE FILE INFORMATION

- GXW4216 V2 firmware file name: gxw4216v2fw.bin  
MD5: 8fbf066a6e0a4a6beb7b3742eab21830
- GXW4224 V2 firmware file name: gxw4224v2fw.bin  
MD5: f603948cc2161bc139551edda284b583
- GXW4232 V2 firmware file name: gxw4232v2fw.bin  
MD5: c53c9c3e17aed2c4fe982191c6028a0d
- GXV4248 V2 firmware file name: gxw4248v2fw.bin  
MD5: bb97654874cb33598671a93f27ec9dcb

### ENHANCEMENT

- Added support to Define the Preferred Provisioning Method. [Configuration File Types Allowed]
- Added support of DHCP Option 150. [Additional Override DHCP Option]
- Added support for SRTP Key Length. [SRTP Key Length]
- Added support for SSL Key Log File. [With Secret Key Information]
- Added support for Security Controls for SSH Access. [Security Controls for SSH Access]
- Updated Syslog to make user reading more friendly.

### BUG FIX

- Fixed the device's no audio and randomly reboot issues after the upgrade.
- Fixed a ringing multiple ports behavior issue.
- Fixed devices Cannot enable the local call feature using a certain dial plan.
- Fixed a device upgrade failed issue due to out of memory.
- Fixed a fax transmission issue between GXW42xx devices.
- Fixed device ACS URL not set to "https://acs.gdms.cloud" by default.
- Fixed a bug that caused the call is abnormal after the participant transfers the call.
- Fixed device some vulnerabilities appear while scanning.

- Fixed device the status light is abnormal after the FTP upgrade fails.
- Fixed a wrong error prompt in uploading the configuration file.
- Fixed a bug that causes the device will turn off the LCD screen Led after 5 minutes.
- Fixed Uptime on French mode display abnormal on Web UI.
- Fixed a bug that causes fax T.38 always to fail with SPA112.
- Fixed device always sends DTMF event # after using # as the dial key.
- Fixed the MAC on the device info page is not fully displayed.
- Fixed VLAN name and management address identification is missing in the reporting information at startup.

## NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

### Configuration File Types Allowed

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance-> Upgrade and Provisioning.

**Authenticate Conf File**     No    Yes

**Firmware Key**   

**Configuration File Types Allowed**   

- **Functionality**

This feature allows users to choose Allowed Configuration File Types, All or XML Only.

- **New P Values**

Pvalue	Description	Value range	Default
P8601	Configuration File Types Allowed	47 – All 46 – XML Only	47 – All

### Additional Override DHCP Option

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance-> Upgrade and Provisioning.

**Allow DHCP Option 43 and Option 66 to Override Server**     No    Yes

**Additional Override DHCP Option**   

**3CX Auto Provision**     No    Yes

- **Functionality**

This feature allows users to configure additional DHCP Option to be used for the firmware server instead of the configured firmware server or the server from DHCP Option 43 and 66.

- **New P Values**

Pvalue	Description	Value range	Default
P8337	Additional Override DHCP Option	0 – None 1 – Option 150	0 – None

### SRTP Key Length

User can find the configuration in Web UI -> Profile-> Audio Settings.

**SRTP Mode**

**SRTP Key Length**

**Crypto Life Time**  No  Yes

- **Functionality**

This feature allows users to configure the cipher method or key length if SRTP is enabled.

- **New P Values**

Pvalue	Description	Value range	Default
P2383	SRTP Key Length	0 – AES 128&256 bit	0 - AES 128&256 bit
P2483		1 – AES 128 bit	
P2583		2 – AES 256 bit	
P2683			

### With Secret Key Information

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance-> Ethernet Capture.

**With Secret Key Information**  No  Yes

**Status**

STOPPED

- **Functionality**

This feature allows users to configure whether the packet capture file contains secret key information or not.

- **New P Values**

Pvalue	Description	Value range	Default
P22419	With Secret Key Information	0 – No 1 – Yes	1 – Yes

### Security Controls for SSH Access

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance-> Web/SSH Access.

**SSH Port**

**Security Controls for SSH Access**

**Web Session Timeout**

- **Functionality**

This feature allows users to configure security privileges.

- **New P Values**

Pvalue	Description	Value range	Default
P28210	Security Controls for SSH Access	0 – Only allow SSH private IP users to set system Pvalue 1 – Allow all SSH users to set system Pvalue 2 – Allow all SSH users to set any Pvalue 4 – Prohibit setting Pvalue	2 – Allow all SSH users to set any Pvalue

## FIRMWARE VERSION 1.0.5.4

### PRODUCT NAME

GXW4216 V2/GXW4224 V2/GXW4232 V2/GXW4248 V2

### DATE

08/10/2022

### FIRMWARE FILE INFORMATION

- GXW4216 V2 firmware file name: gwx4216v2fw.bin  
MD5: a29a51c155d4a022532317a90b4257d8
- GXW4224 V2 firmware file name: gwx4224v2fw.bin  
MD5: c45cb6dd01f988a3ee6764dc2cf933c8
- GXW4232 V2 firmware file name: gwx4232v2fw.bin  
MD5: 0367ae67830df2929af5a275ca073b68
- GXV4248 V2 firmware file name: gwx4248v2fw.bin  
MD5: 96ae11e4682caacb20bd5ff59a8aa252

### ENHANCEMENT

- Added support to send SNMP traffic through Management Interface. [Enable SNMP Through Management Interface]
- Added support to send Syslog traffic through Management Interface. [Enable Syslog Through Management Interface]

### BUG FIX

- Fixed a bug that causes the core file to be generated after the device is turned on.
- Fixed download function of the page is display incorrect when accessing in User/Viewer account.
- Fixed device the log server domain name resolution order is incorrect.
- Fixed the copyright not translated into Russian on the Русский page.
- Fixed device will not send provision required when path contains the % character.
- Fixed the bug that causes IVR code reading is failed.
- Fixed an issue causes sometimes only one-way audio or no audio on both sides in the call.
- Fixed an issue that causes device faxes may not be sent and received normally.
- Fixed a WebUI error that causes the "Viewer Logout" button displayed as "XXXXX" in Chinese/Spanish/French language.

- Fixed an issue that causes the ATA device crash after it calls to itself.
- Fixed Dublin and Ireland are displayed incorrectly in Chinese in Time Zone.
- Fixed a bug that causes Call Waiting Tone syntax error.
- Fixed the incorrect description of 802.1X Mode.
- Fixed device the Syslog list will not be displayed when the system log level is EXTRA DEBUG.
- Fixed device cannot access the page and establish a call after unplugging and plugging the network cable on PPPoE and OpenVPN network.
- Fixed the web page lock time after the login error exceeds the limit will be timed again after clicking login again.

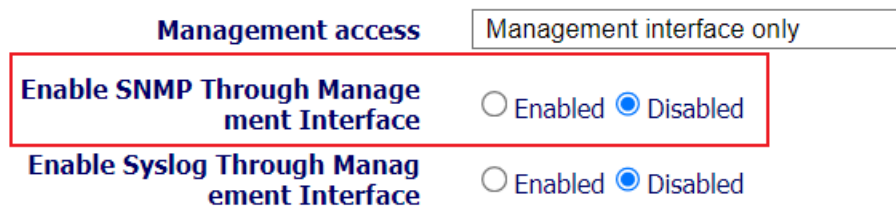
## NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

### Enable SNMP Through Management Interface

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance-> Network Settings.



The screenshot shows a configuration page with a tab labeled 'Management access' and a dropdown menu set to 'Management interface only'. Below this, there are two radio button options: 'Enable SNMP Through Management Interface' (which is highlighted with a red box) and 'Enable Syslog Through Management Interface'. Both options have 'Enabled' and 'Disabled' radio buttons, with 'Disabled' being selected for both.

- **Functionality**

This feature allows users to choose whether to route the Syslog packets through management interface.

- **New P Values**

Pvalue	Description	Value range	Default
P28209	Enable SNMP Through Management Interface	1 – Enabled 0 – Disabled	0 – Disabled

### Enable Syslog Through Management Interface

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance-> Network Settings.



**Enable SNMP Through Management Interface**     Enabled  Disabled

**Enable Syslog Through Management Interface**     Enabled  Disabled

**IP Address Mode for Management Interface**     DHCP  Static IP

- **Functionality**

This feature allows users to choose whether to route the Syslog packets through management interface

- **New P Values**

Pvalue	Description	Value range	Default
P8610	Enable Syslog Through Management Interface	1 – Enabled 0 – Disabled	0 – Disabled

## FIRMWARE VERSION 1.0.3.9

### PRODUCT NAME

GXW4216 V2/GXW4224 V2/GXW4232 V2/GXW4248 V2

### DATE

08/08/2022

### FIRMWARE FILE INFORMATION

- GXW4216 V2 firmware file name: gxw4216v2fw.bin  
MD5: a29a51c155d4a022532317a90b4257d8
- GXW4224 V2 firmware file name: gxw4224v2fw.bin  
MD5: c45cb6dd01f988a3ee6764dc2cf933c8
- GXW4232 V2 firmware file name: gxw4232v2fw.bin  
MD5: 0367ae67830df2929af5a275ca073b68
- GXV4248 V2 firmware file name: gxw4248v2fw.bin  
MD5: 96ae11e4682caacb20bd5ff59a8aa252

### BUG FIX

- Fixed a bug that causes the device will ring with DND enabled.
- Fixed GXW4224V2 plays Priority Alert Call Waiting Tone incorrectly.
- Fixed GXW4224V2 plays Alternate Number Call Waiting Tone incorrectly.
- Fixed device cannot enable local call feature using a certain dial plan.
- Fixed the Firmware Server Path and the Config Server Path cannot save in "port/filename" format.
- Fixed the device does not prompt invalid input while entering illegal values in some parameters.
- Fixed a bug that caused the Syslog list information will not be cleared after hard key recovery.
- Fixed device off-hook LED status is wrong when LED Pattern config to A and existing voice mail.
- Fixed DTMF data sent in disorder.
- Fixed pressing flash +2 will hang up the other party's call after enabling flash digital control.
- Fixed a bug causes Second Register to have no auth header by default.
- Fixed REGISTER/INVITE failover retries are not the configured number.
- Fixed device does not prompt error "Max allow length 190" in local DNS.
- Fixed TIA-Inventory-Serial Number field is wrong in MAC address instead of Serial Number while captured in LLDP Wireshark trace file.

## FIRMWARE VERSION 1.0.3.4

### PRODUCT NAME

GXW4216 V2/GXW4224 V2/GXW4232 V2/GXW4248 V2

### DATE

05/13/2022

### FIRMWARE FILE INFORMATION

- GXW4216 V2 firmware file name: gxw4248v2fw.bin  
MD5: 6d628edd385a256f64df26beed929a1d
- GXW4224 V2 firmware file name: gxw4224v2fw.bin  
MD5 2b5ec23cdefd8d4ca1608a85b7b74f49
- GXW4232 V2 firmware file name: gxw4232v2fw.bin  
MD5: c4b23a63861bd09e9456be1c100d71d4
- GXV4248 V2 firmware file name: gxw4248v2fw.bin  
MD5: f92c28f2f7e918a7c6ffe684c7764779

### ENHANCEMENT

- This is the initial release version of GXW42xx V2 firmware