

GWN772X Switch Firmware Release Notes

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FIRMWARE FILE DOWNLOAD

Individual firmware files are available for downloading at URL below:

<https://www.grandstream.com/support/firmware>

FIRMWARE VERSION 1.0.7.129

PRODUCT NAME

GWN7721

GWN7721P

GWN7721PE

DATE

09/04/2026

FIRMWARE FILE INFORMATION

- GWN7721/GWN7721P/GWN7721PE Firmware file name: gwn772xfw.bin
MD5 checksum: 6d18bbc24f251309c7f3daabc74f8009

CHANGES/ENHANCEMENT

- Added support for GDMS Cloud configuration of VLAN transparency.

FIRMWARE VERSION 1.0.7.128

PRODUCT NAME

GWN7721
GWN7721P
GWN7721PE

DATE

08/07/2026

FIRMWARE FILE INFORMATION

- GWN7721/GWN7721P/GWN7721PE Firmware file name: gwn772xfw.bin
MD5 checksum: a84f1ca20acc3a92c7187a9beafc171f

CHANGES/ENHANCEMENT

- Added support for new model GWN7721PE.
- Fixed an issue where the system failed to prompt "Fiber port cannot be detected" when the fiber port was active during a cable test.
- Fixed an issue preventing the successful execution of both port activation and deactivation commands via GWN Cloud.
- Fixed a display inconsistency regarding the edit button on the LLDP configuration page.
- Fixed an issue where devices could not be discovered when using L2 Manager as the management platform.
- Fixed DNS-related errors that occurred when connecting the device to the GWN Manager.
- Corrected an issue where devices were incorrectly detected and controlled by the router.
- Fixed a network topology display error that occurred in GWN Manager when the device's docking port was configured as an aggregation port.
- Fixed an issue where PCs failed to obtain corresponding network segment IP addresses when additional VLANs were provisioned to the GWN772X.
- Fixed an issue preventing the device from connecting to GWN Manager when the Option 43 service type was set to automatic.
- Fixed a configuration delivery failure that occurred when manually distributing PoE configurations from the cloud.
- Fixed an issue where the device would automatically restart after receiving a PoE configuration push from the cloud.
- Corrected the failure prompt and behavior when provisioning a mirror port from GWN Cloud.
- Fixed an issue causing configurations to be overwritten or generate errors when setting up multiple mirror groups via GWN Cloud.

- Fixed a display issue where the upgrade URL provisioned from the cloud appeared incorrectly on the local device interface.
- Fixed an "Unknown command" error reported by the GWN772X after receiving configuration payloads from the cloud.
- Fixed an issue where subsequent VLAN assignments were not applied locally if a VLAN was first deleted in the cloud.
- Corrected a bug where reverting a port to an untagged state created a new VLAN that incorrectly remained tagged.
- Fixed an issue allowing LAG ports to be provisioned from the cloud despite having mismatched VLAN configurations on the member ports.
- Corrected inaccurate temperature abnormality alarms triggered by optical modules.
- Fixed an issue regarding the delivery and display of VLANs with Chinese descriptions pushed from the cloud to the local device.
- Fixed an issue where assigning a static IP address via GWN Cloud caused the device to disconnect.
- Fixed an issue where local loopback detection incorrectly remained in a self-loop state after enabling the port via GWN Cloud.
- Fixed an issue where previous untagged/tagged VLAN states persisted on ports even after a new VLAN change was pushed from the cloud.
- Improved the Web UI to consistently display device/module statuses correctly as "OK".
- Fixed an intermittent issue that could occasionally prevent users from accessing the device's Web UI.
- Fixed an issue where users were incorrectly prompted that the Voice VLAN could not be deleted when attempting to delete all 802.1Q VLANs.
- Fixed a "Firmware validation error" prompt that occurred when upgrading the device via an HTTPS server with verification enabled.
- Fixed intermittent errors and unnecessarily long detection times when upgrading the detection firmware.
- Fixed an issue where port rate limiting was incorrectly applied to all ports within a LAG during the editing process.
- Fixed a rare issue where the device would falsely detect its own IP address as an IP conflict.
- Fixed an issue causing false IP conflicts and delayed IP address acquisition (taking 2 to 3 minutes) after switching network environments.
- Corrected port behavior to ensure the actual flow control state is forced to OFF when operating in half-duplex mode.
- Improved and clarified the UI tooltips for the inbound direction of port rate limiting.
- Fixed an issue where the port loopback detection function failed to operate if only the port spanning tree was enabled.
- Fixed an issue where the GE2 port would unexpectedly go down if the 10GE9 port entered an error-disabled state while Spanning Tree was enabled.
- Fixed a network disconnection issue that occurred after a loop when connected to a GWN78XX device with both Spanning Tree and IGMP enabled.
- Fixed a network disconnection issue triggered by a loop in a downstream switch connected to a LAG port with Spanning Tree enabled.

- Fixed a network anomaly affecting devices with an Alternate port when three devices were connected in a network loop.
- Addressed a security vulnerability by ensuring backup files no longer expose account names and passwords in plaintext.
- Corrected the backup behavior to ensure the device backs up the currently running configuration rather than only the saved configuration.
- Fixed an issue preventing ports from being successfully aggregated into a LAG if their port rate limiting configurations were different.
- Fixed an issue where upgrading the device caused the upstream switch port to enter an err-disabled state if a mirrored observation port was connected to the network port.
- Fixed an issue where the power supply type for certain Powered Devices (PD) incorrectly defaulted to standard PoE after a power outage and restart.
- Fixed a display issue where the maximum power supply status incorrectly changed to "--" after unplugging a network cable in CLASS mode.
- Fixed a UI bug where the Power Supply Priority displayed as "--" when the port was connected to a GSC3605 device.
- Fixed an inconsistency where the configured power supply priority did not match the actual negotiated priority.
- Fixed abnormal LLDP negotiation behavior for power supply limits when the power supply mode was set to CLASS.
- (Duplicate of 2.43) Fixed an issue where the power supply type for certain PD devices incorrectly defaulted to standard PoE after a power outage and restart.
- Fixed an issue where the port configuration did not properly restore to default settings after a Powered Device (PD) was unplugged.
- Fixed an issue where forced PoE mode could not be successfully closed or disabled once activated.
- Internal bug fixes.

FIRMWARE VERSION 1.0.7.105

PRODUCT NAME

GWN7721(P)

DATE

09/05/2025

FIRMWARE FILE INFORMATION

- GWN7721(P) Firmware file name: gwn772xfw.bin
MD5 checksum: 8320b14712f25c448ab61b2a337b04bc

CHANGES/ENHANCEMENT

- Added VLAN transparent transmission function for 802.1Q VLAN.
- Fixed issue where the MAC/PHY Configuration/Status TLV field was displayed incorrectly.
- Fixed issue where traffic distribution was uneven when using SP scheduling with identical port priorities.
- Fixed incorrect neighbor information display for LAG ports.
- Corrected the overhead values for 100M and 10M half-duplex ports.
- Fixed issue where the device continuously sent DNS requests to resolve the Manager server domain name.
- Fixed issue where removing ports from a LAG group was not effective.
- Fixed issue where a port configured as VLAN Transparent (other than VLAN 1) obtained a new IP address when connected to a router.
- Fixed issue where DHCP messages with tags were not forwarded after enabling DHCP Snooping.
- Updated LLDP to display Link Aggregation information under the IEEE 802.3 TLV section.
- Fixed display error for Neighbor Port ID in LLDP.
- Fixed issue where QoS based on 802.1P/DSCP mode was not effective on optical ports.
- Fixed issue where all members in a LAG group were not required to have consistent VLAN Transparent status.
- Corrected display error for the VLAN ID of multicast addresses in IGMP Snooping.
- Fixed issue where Link Aggregation information was displayed incorrectly in LLDP.
- Added prompt to notify that VLAN 1, Management VLAN, and Voice VLAN cannot be deleted when clicking "Delete All".
- Fixed issue where a port removed from all VLANs did not automatically join VLAN 1.
- Fixed issue where LLDP packets were not sent if any port was in receive-only mode.
- Fixed inconsistency between local and cloud DNS configurations after DNS settings were distributed.
- Fixed issue where SNMP sys_name data displayed incorrectly due to variable scope issues.
- Fixed issue where PCs connected to the device could not obtain an IP address when LAG was enabled.

- Fixed issue where router ports could not receive multicast messages.
- Fixed multicast packet loss in multiple VLAN environments.
- Fixed issue where link aggregation could still be deployed through the cloud even when local port VLAN transparent configurations were inconsistent.
- Fixed error reported by GWN7710R when synchronizing settings after logging into Manager.
- Fixed issue where port VLAN transparency was disabled after VLAN configuration was pushed from the cloud.
- Internal bug fixes.

FIRMWARE VERSION 1.0.1.33

PRODUCT NAME

GWN7721(P)

DATE

08/04/2025

FIRMWARE FILE INFORMATION

- GWN7821(P) Firmware file name: gwn772xfw.bin
MD5 checksum: cb8f13231ac7e1c554f3ae61372250de

CHANGES/ENHANCEMENT

- This is the initial firmware for GWN7721(P).