

# TSW212 Firmware Downloads

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This page contains firmware files for TSW212 devices. Look to the table below or the [changelog](#) to find download links.

To upgrade firmware using WebUI, follow the instructions in [TSW212 Firmware](#).

File	Type	Release date	Size	MD5	Changelog
<a href="#">TSW2_R_00.01.03_WEBUI.bin</a>	Latest FW	2024.10.09	11.0 MB	29c808a492e2902e00af42f9de4b3cf2	<a href="#">Link</a>
<a href="#">TSW2_R_00.01.02.2_WEBUI.bin</a>	Mass production FW	2024.05.16	9.75 MB	ad10d608daccce19ee53975cbc83c94e	<a href="#">Link</a>
<a href="#">TSW2_R_GPL_00.01.03.tar.gz</a>	SDK	2024.10.09	21.69 MB	b6ec2d16a83905325ca9e1c6a8420c6f	

## FW checksums

Checksums for firmware files can be found [here](#).

## Changelog

### [TSW2\\_R\\_00.01.03](#) | 2024.10.09

- **New**
  - **Network**
    - Dynamic Routes: added dynamic routing packages to the package manager
    - Port Security: added 802.1X client support
    - Port Security: added dynamic VLAN assignment support
  - **System**
    - Backup: added full system reset functionality
    - IP Block: added time-based login attempt blocking
    - Package Manager: added package manager support
    - PAM: added RADIUS external user support
    - WebUI: added data analytics, which when enabled will collect usage data
    - WebUI: added port status display page
- **Improvements**
  - **Network**
    - DHCP: separated mode select and enable switch
    - DHCP: added warning to static leases when there is no DHCP servers created
    - DHCP: added filtering by the interface on the status page
    - DHCP: added field suggestions when configuring static leases
    - Network: changed static and dhcp interfaces metric
    - Port Security: changed size of port icons
    - Port Security: split access control rules for RADIUS and General pages

- Ports Settings: added more PoE state symbols, colored disabled port differently and improved port status hint
  - Ports Settings: improved ports PoE statuses
  - Ports Settings: updated transmit and receive rate to be shown in bit format
- **Services**
  - EtherNet/IP: added information about SFP ports
  - SNMP: changed interface module OID structure
  - Mosquitto: updated version to 2.0.17
- **System**
  - Access Control: improved default access control permissions for newly created users
  - Access Control: improved system user's access control granularity
  - Backup: split page into backup and reset settings page
  - Overview: made title configurable with system settings
  - Update Firmware: added firmware flashing log to a persistent location
  - Update Firmware: improved upgrade process
  - WebUI: changed overview page design
  - Kernel: updated version to 5.10.220
  - OpenSSL: updated version to 3.0.14
  - vue: updated version to 3.4
- **Fix**
  - **Network**
    - DHCP: fixed IPv4 leases being not correctly shown when NTP synchronizes time
    - Dynamic Routes: fixed 'Import config' file name mapping
    - Dynamic Routes: removed 'add' functionality from 'BGP instances' section
    - MRP: fixed multicast packets not forwarding to required ports if MRP instances was changed during runtime
    - MRP: fixed MRP bug when using standard port
    - MRP: fixed network loop when mrp is starting
    - Network: fixed interfaces status showing incorrect name
    - Port Security: fixed 'Radius server' select options and updated 'Radius' page UI
    - Port Security: fixed ports that don't have port security enabled showing up as unauthorized ports
    - Ports Settings: fixed ports being incorrectly marked as "unauthorized"
    - Ports Settings: fixed eee state restore from config after reboot
    - Static Routes: fixed kernel panic on certain static routes
    - VLAN: fixed delayed loading spinner when saving VLAN under certain conditions
  - **Services**
    - Profinet: fixed an issue where no MRP instances remained enabled after Profinet was disabled
    - Profinet: updated modal style after disabling profinet instance
  - **System**
    - Access Control: fixed access reload after package installation
    - Backup: fixed profiles data saving into backup
    - WebUI: fixed data not being displayed of interface cards in 'Services summary' section
- **CVE Patches**
  - CVE-2021-32292
  - CVE-2023-42366
  - CVE-2023-48795
  - CVE-2023-49441

- CVE-2024-5535
  - CVE-2024-7264
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## [TSW2\\_R\\_00.01.02.2](#) | 2024.05.16

- **New**
    - **WebUI**
      - Added customizable port names in Ports Settings page
  - **Improvements**
    - **System**
      - Updated Root CA certificates
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## [TSW2\\_R\\_00.01.02.1](#) | 2024.04.29

- **New**
    - **Network**
      - Added IGMP snooping support
    - **Services**
      - Added dynamic VLAN assignment support in Port Security
    - **WebUI**
      - Added RSTP 'Max hops' configuration option in 'Network -> Spanning Tree'
  - **Fix**
    - **Network**
      - Fixed link speed configuration not applying after reboot
    - **System**
      - Fixed CVE-2022-0934
      - Fixed CVE-2023-28450
      - Updated OpenSSH to 9.6p1 version to fix CVE-2023-51385
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## [TSW2\\_R\\_00.01.02](#) | 2024.02.29

- **New**
  - **Services**
    - Added Privileged Access Management (PAM) support
    - Ping reboot: Added capability to restart PoE for specific port
- **Improvements**
  - **Network**
    - Added sysname to LLDP packets
  - **Services**
    - Improved SNMP sysName OID to set device's hostname
    - Added PExpectedData index in Profinet
- **Fix**
  - **Network**
    - Fixed incorrect LLDP chassis id data
    - Fixed 1000 Mbps auto negotiation
    - Fixed ethernet link not establishing via 2-pair cable

- Fixed PoE power shutdown on reboot
  - **Services**
    - Fixed Profinet PDInterfaceAdjust record
    - Fixed Profinet issue where IP would not be set without station name
  - **System**
    - Fixed log.db rotation to prevent log partition space exhaustion
    - Fixed possible Y2K38 issue for event entries
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## [TSW2\\_R\\_00.01.01.1](#) | 2023.11.06

- **Fix**
    - **System**
      - Resolved reboot-related auto-negotiation issue affecting 1000 Mbps support
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## [TSW2\\_R\\_00.01.01](#) | 2023.10.25

- **New features**
  - Initial FW release for the TSW212 device