



## Firmware for EDR-G9010 Series Release Notes

<b>Version:</b> v3.12.1	<b>Build:</b> 24082116
<b>Release Date:</b> Aug 26, 2024	

### **Applicable Products**

N/A

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

N/A

### **Bugs Fixed**

- Unsupported or unavailable features appear in the web interface.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v3.12</b>	<b>Build: 24073101</b>
<b>Release Date: Aug 02, 2024</b>	

### Applicable Products

N/A

### Supported Operating Systems

N/A

### New Features

- Added support for the Loopback Interface function.
- Added support for the OpenVPN Client function.
- Added support for the Netflow function.
- Added support for event-triggered actions to the VRRP function.
- Added support for UDP-Flood to the DoS Policy function.
- Added SNMP Trap as a Log Destination for the Layer 2 Policy function.
- Added support for additional event log export formats: .pdf, .csv.

### Enhancements

- Enhanced the following IPsec algorithms.
  - ]Encryption: AES-256-GCM
  - Hash: SHA-512
  - DH Group: DH15 (modp3072), DH16 (modp4096), DH17 (modp6144), DH18 (modp8192), DH22 (modp1024s160), DH23 (modp2048s224), DH24 (modp2048s256), DH31 (curve25519)
  - PRF: PRF SHA-256, PRF SHA-384, PRF SHA-512

### Bugs Fixed

- The "Login Authentication Failure Message" does not save properly.
- Using the newline character (\n) in the 'Login Message' and 'Login Authentication Failure Message' causes abnormalities in the output.
- The system is unable to ping the VRRP virtual IP.
- Users are able to bypass password policy violation warnings by pressing ESC on the keyboard.
- Time zone settings are not saved if GMT is set to 0.
- Vulnerability: CVE-2024-6387.

### Changes

- Changed the IPS license expiration behavior: When the license expires, IPS functionality will now remain enabled, but the IPS patterns will no longer be updated.
- Changed the Trusted Access behavior: Trusted Access now applies to the Web UI, CLI, and New Moxa Command interfaces.
- Changed the Preempt Delay range for the VRRP function from 10 to 300 to 0 to 300.

### Notes

N/A



<b>Version: v3.6</b>	<b>Build: 24032802</b>
<b>Release Date: Apr 03, 2024</b>	

**Applicable Products**

N/A

**Supported Operating Systems**

N/A

**New Features**

- Added Turbo Chain support for Layer 2 Redundancy.

**Enhancements**

- Modified the DoS policy for Flood Protection to allow independent limit ranges for each interface.

**Bugs Fixed**

- Restoring the device configuration may fail under specific circumstances.
- The allowed characters for the Password Policy are shown incorrectly.

**Changes**

N/A

**Notes**

N/A



<b>Version: v3.3</b>	<b>Build: 24010416</b>
<b>Release Date: Jan 12, 2024</b>	

### **Applicable Products**

N/A

### **Supported Operating Systems**

N/A

### **New Features**

- Added support for TACACS+ authentication.
- Added Port Disable ingress action for Rate Limit function.
- Added support for LAN ID to DHCP option 82 in the DHCP relay agent.
- Added support for Proxy ARP for LAN interfaces.

### **Enhancements**

- Increased maximum number of static multicast entries from 256 to 1000.
- Increased the maximum username length to 32 characters for local account, SNMP, RADIUS, and IEEE 802.1X authentication.
- Increased the maximum length length of passwords, communities, and shared keys to 64 characters for local account, SNMP, RADIUS, and IEEE 802.1X authentication.
- Unified the range of supported special characters for local account, SNMP, RADIUS, and IEEE 802.1X.

### **Bugs Fixed**

- The STATE LED behaves abnormally when no event notifications have been triggered.
- Users are unable to access the web console if their login passwords includes "\$\$".
- Units are incorrectly displaying as "packets" on the vertical axis of network statistics.
- Network statistics values are inaccurate when using ports for measurement.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v3.2</b>	<b>Build: 23100616</b>
<b>Release Date: Oct 13, 2023</b>	

**Applicable Products**

EDR-G9010 Series

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- Enabling Bridge Mode may sometimes cause the system to perform a cold restart.

**Changes**

N/A

**Notes**

This firmware release is to address an issue originally covered in firmware version 3.0 that was not completely resolved.



<b>Version: v3.0</b>	<b>Build: 23082321</b>
<b>Release Date: Aug 31, 2023</b>	

## Applicable Products

EDR-G9010 Series

## Supported Operating Systems

N/A

## New Features

- Added support for Network Security Package version 6.0 or higher.
- Added the Auto Create Source NAT setting for 1-to-1 NAT.
- Added a Range option for the 1-to-1 NAT Destination IP Mapping Type.
- Added support for user-defined Engine ID to the SNMP function.
- Added support for SFTP to the Configuration Backup and Restore function.
- Added support for Firmware Version Checking to the Configuration Backup and Restore function.
- Added support for Password Max-life-time to the Password Policy function.
- Added support for NTP Authentication to the System Time function.
- Added support for Syslog Authentication to the Syslog function.
- Added support for Layer 2 Policy firewall logs to the Event Log function.
- Added support for DHCP Relay Agent to the DHCP server function.

## Enhancements

- Compliance with the IEC 62443-4-2 industrial cybersecurity standard.
- Increased the maximum DHCP lease time from 99,999 to 527,039 minutes.
- Increased the maximum number of Zone-based Bridge interfaces from 2 to 4.
- Increased the maximum number of VLANs from 16 to 32.
- Increased the maximum number of Static Multicast Table entries from 128 to 256.

## Bugs Fixed

- Enabling Bridge Mode may sometimes cause the system to perform a cold restart.
- Users are unable to change the VID of the Management VLAN.
- The SNMP encryption key incorrectly allows the use of illegal characters.
- When specifying a 64-character long IPsec pre-shared key, the system will incorrectly store it as 63 characters long.
- The SSH connection will randomly disconnect when using a non-default port configuration.
- Importing configurations will fail if Daylight Saving is enabled.
- The auto logout function of the login policy does not function properly.
- Enabling the Digital Input notification causes the STATE LED to turn red.

## Changes

- Changed the HTTP port range from 1-65535 to 1024-65535 (default port: 80).
- Changed the HTTPS port range from 1-65535 to 1024-65535 (default port: 443).
- Changed the Telnet port range from 1-65535 to 1024-65535 (default port: 23).
- Changed the SSH port range from 1-65535 to 1024-65535 (default port: 22).
- Changed the maximum length of the Bridge Zone name from 13 to 12 characters.
- Removed the GOOSE Pass-through function.

## Notes

- Due to changes made in this firmware release, importing the following configurations from firmware v2.0 into v3.0 will result in configuration conflicts and failure to import the configuration:
  - The HTTP port number in the original configuration is set between 1 and 1023, with the exception of 80.
  - The HTTPS port number in the original configuration is set between 1 and 1023, with the exception



of 443.

☐ The Telnet port number in the original configuration is set between 1 and 1023, with the exception of 23.

☐ The SSH port number in the original configuration is set between 1 and 1023, with the exception of 22.

☐ The length of the Bridge Zone name in the original configuration is 13 characters long.

<b>Version: v2.1</b>	<b>Build: 22122916</b>
<b>Release Date: Jan 09, 2023</b>	

### **Applicable Products**

N/A

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

N/A

### **Bugs Fixed**

- IPsec over L2TP behaves abnormally if IPsec settings have been configured previously.
- Static routing does not work properly after enabling dynamic routing.
- The OSPF current router ID displays incorrectly after rebooting the device.
- The Turbo Ring becomes unstable after enabling the NTP/SNTP server.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v2.0.1</b>	<b>Build: 22101419</b>
<b>Release Date: Oct 20, 2022</b>	

**Applicable Products**

N/A

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- Layer 3-7 firewall policies behave abnormally after deploying the policy profile through MXsecurity.
- The system is unable to get the MXsecurity Agent Package information after booting the device.
- Users are unable to import configurations after changing the event log threshold settings.

**Changes**

N/A

**Notes**

N/A





<b>Version: v2.0</b>	<b>Build: 22092310</b>
<b>Release Date: Sep 26, 2022</b>	

### **Applicable Products**

N/A

### **Supported Operating Systems**

N/A

### **New Features**

- Added support for Intrusion Prevention System (IPS) functionality through network security packages.
- Added support for the MXsecurity management software through MXsecurity agent packages.
- Added NAT Advanced Settings.
- Added Session Control Firewall Policy settings.

### **Enhancements**

- Updated the web user interface to the latest next-generation design.
- Layer 3-7 firewall policies are now object-based for better rule management.
- Improved firewall log categories and information layout for better readability.

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.2</b>	<b>Build: 22032514</b>
<b>Release Date: Mar 29, 2022</b>	

**Applicable Products**

N/A

**Supported Operating Systems**

N/A

**New Features**

- Added support for built-in security packages.

**Enhancements**

- Increased the maximum number of static multicast routes from 32 to 256.

**Bugs Fixed**

- Exporting static multicast rules fails when the Static Multicast Route function is disabled.

**Changes**

N/A

**Notes**

N/A



<b>Version: v1.1</b>	<b>Build: 21110913</b>
<b>Release Date: Dec 02, 2021</b>	

### **Applicable Products**

N/A

### **Supported Operating Systems**

N/A

### **New Features**

- Added support for the EDR-G9010 high-voltage (HV) models.
- Added support for the Turbo Ring V2 Coupling mode Layer 2 redundancy protocol.
- Added support for MSCHAPv2 authentication for RADIUS servers.

### **Enhancements**

- Improved the phrasing of package control operation error messages.

### **Bugs Fixed**

- CVE-2021-33909: vulnerability issue.
- The firewall and DoS event logs show incorrect information.
- Importing device configuration may fail under certain conditions.
- The local user database is invalid if RADIUS is disabled.
- The Drop Malformed Packets firewall function behaves irregularly when accessing the web UI.
- The web UI crashes when exporting the log file while the Malformed Packet function is enabled.
- HTTP would generate an error after upgrading the firmware.
- Enabling or disabling HTTPS(443) will disconnect users from the web UI.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.0</b>	<b>Build: 21052417</b>
<b>Release Date: Jun 22, 2021</b>	

**Applicable Products**

N/A

**Supported Operating Systems**

N/A

**New Features**

The first release of the EDR-G9010 series.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A