

Software Name: EDR-G903 Series Firmware

Version No.	Build Date No./Release Date	Supported OS	Apply to Models	New Features/Enhancements	Bugs Fixed/Changes	Note
4.1	Build_17031311	N/A	EDR-G903	<p>New Features:</p> <ol style="list-style-type: none"> 1. Compliance to IEC 62443-4-2 level 2 requirement. 2. Support for ifAdminStatus MIB information as device's port setting. 3. Support for 1-1 NAT redundancy of the two routers by VRRP binding. 4. Support for Radius CHAP authentication. 5. Integration of the certificate database for IPSec, OpenVPN and X.509. 6. Improve PPPoE performance. 7. Support for special characters, "0-9 a-z A-Z _@!#\$%^&*().-," as part of the account password. 8. Unlock the limitation of the configuration import between standard temperature and wide temperature models. <p>Enhancements:</p> <p>N/A</p>	<p>Bugs Fixed:</p> <p>General features:</p> <ol style="list-style-type: none"> 1. Link-on and link-off operations of WAN port cause static route policy disappear. 2. No encryption of the password-type information in the exported configuration file. 3. Web content does not display correctly in some browsers. 4. Remove unused residual web pages from the system. 5. User privilege is allowed to export configuration file. 6. Time zone setting has problem. 7. Fix SNMP OID "ifAdminStatus" status. 8. "Cold start" event sometimes is not recorded in the system log. 9. Change the default setting of preemption delay from 5 seconds to 120 seconds to enhance the stability of VRRP. 10. Incorrect display of device IP address in MXview when 1:1 NAT function of the router is enabled. <p>VPN features:</p> <ol style="list-style-type: none"> 1. Fail to access EDR's service through 	N/A
3.6	Build_16081017	N/A	EDR-G903	<p>New Features:</p> <p>N/A</p> <p>Enhancements:</p> <ol style="list-style-type: none"> 1. Optimize PPPoE performance. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. L2TP account configuration disappeared after upgrading from old versions to V3.5. 2. Password configuration mismatch after upgrading from old versions to V3.5. 3. After upgrading to V3.5, users cannot login into EDR products via web console when the password contains special characters. 4. Users cannot login into EDR products via serial console and telnet console when the password contains special characters. 5. Cannot downgrade to old versions (earlier versions before V3.5) from firmware V3.5. 6. LLDP interpretation with CISCO devices. 	N/A

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3.5	Build_16060718	N/A	EDR-G903	<p>New Features:</p> <ol style="list-style-type: none"> 1. Support for OpenVPN as client or server. 2. Support for text-based configuration file and configuration file encryption. 3. Support for OSPF routing protocol. 4. Support for MXstudio V2.4 (release in November, 2016). 5. Support for multiple L2TP clients. 6. Support for multiple login user account. 7. Support for user-defined login message on the web console. 8. Support for IPSec X.509 with certificate issued by authorized CA. 9. Support for CSR (Certificate Signing Request). 10. Support for monitoring IPSec tunnel uptime. 11. Support for bi-directional 1-1 NAT for local devices that do not have gateway settings. 12. Support for configurable port speed. 13. Support for VPN, firewall, DOS, and system security events stored in local storage or sent to SNMP trap server, and Syslog server. <p>Enhancements: N/A</p>	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. Daylight saving time configuration issue. 2. "Base 1" setting does not work in Modbus filtering function. <p>Changes:</p> <ol style="list-style-type: none"> 1. Change the command line interface from "EDR-G903>>" to "EDR-G903#". 	N/A

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3.4	Build_15081713	N/A	EDR-G903	<p>New Features: N/A</p> <p>Enhancements: 1. Separate PPTP and L2TP user account management. 2. Extend maximum NAT rules to 350 on EDR-G903. 3. Change DPD configuration from "Hold" to "Restart" in default IPSec settings.</p>	<p>Bugs Fixed: 1. Improve system memory management to solve system lockup problem by SDK upgrade. 2. Improve several VRRP operation behaviors. 3. Router may drop few packets occasionally during routing. 4. When there are broadcast packets coming into the system continuously during link-up and link-down phase, traffic is possible to be blocked by MAC at 10Mbps speed. 5. When WAN interface is down, router still send out RIP update for other VLAN interfaces which are bind on WAN. 6. Simultaneously using "PING" from</p>	N/A
3.3	Build_15020316	N/A	EDR-G903	<p>New Features: N/A</p> <p>Enhancements: 1. Support for 10Mbps speed configuration by command line interface.</p>	<p>Bugs Fixed: 1. Repeated plugging in and out Ethernet cable causes NAT function stop working. 2. System stops working after a long-term running with large amount of traffic.</p> <p>Changes: N/A</p>	N/A
3.2	N/A	N/A	EDR-G903	<p>New Features: 1. Add "User Interface Management" to enable/disable http, https, telnet, SSH, and Moxa utility.</p> <p>Enhancements: 1. Change default interface to "Auto" in NAT configuration after factory default 2. Change behavior of Modbus TCP filtering to "stateless firewall" mode</p>	<p>Bugs Fixed: 1. "Packet Monitoring" cannot display correctly with the latest JAVA version in the web console 2. "Drop Multiple Commands" in Modbus filtering does not work properly 3. Address configuration of Modbus filtering does not work properly when inputting 5-digit addresses. 4. Cannot set NTP/SNTP time server correctly</p> <p>Changes:</p>	N/A

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3.1	N/A	N/A	EDR-G903	<p>New Features:</p> <ol style="list-style-type: none"> 1. Allow to configure TCP ports of user management interfaces (HTTP/HTTPS/Telnet/SSH) <p>Enhancements:</p> <ol style="list-style-type: none"> 1. Change default setting of NAT interface to "Auto" 2. Incorrect display in the configuration items of Modbus TCP filtering 3. Change behavior of Modbus TCP filtering to stateless mode 4. Enlarge maximum firewall rules to 512 (EDR-G903) and 256 (EDR-G902) 5. Enlarge maximum NAT rules up to 256 (EDR-G903) and 128 (EDR-G902) 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. Display error in the monitoring page of "Packet Monitoring" 2. Fail to enable "Drop Multiple Function" in configuration of Modbus Policy <p>Changes:</p> <p>N/A</p>	N/A
3.0	N/A	N/A	EDR-G903	<p>New Features:</p> <ol style="list-style-type: none"> 1. Deep Packet Inspection for Modbus TCP. 2. Supporting 5 VLANs per interfaces for NAT, Firewall Policy, RIP, and VRRP. 3. Upgrading EDR-G903's maximum VPN tunnels to 100 (Max. 30 of 100 for Start-in-initial mode). 4. Upgrading EDR-G902's maximum VPN tunnels to 50 (Max. 15 of 100 for Start-in-initial mode). 5. "Auto" mode in N-1 NAT Settings for routing packets to NAT or VPN. 6. CLI of IPSec Setting. 7. Factory default login password changes from empty to "moxa" for higher security. <p>Enhancements:</p> <ol style="list-style-type: none"> 1. Change default gateway to PPTP interface when it is established. 2. In 1-1 NAT mode, router can automatically choose 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. Incorrect PWR1 and PWR2 LED display in the information bar of the web console 2. Cannot establish VPN connection when setting "Encryption Algorithm" to "DES" in IPSec settings <p>Changes:</p> <p>N/A</p>	N/A
2.12	N/A	N/A	EDR-G903	<p>New Features:</p> <p>N/A</p> <p>Enhancements:</p> <p>N/A</p>	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. Cannot save configuration after power cycle. <p>Changes:</p> <p>N/A</p>	N/A

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2.11	N/A	N/A	EDR-G903	New Features: N/A Enhancements: 1. Remove undocumented account 2. Replace hard-coded SSH/SSL key by dynamic-generated key 3. Support special characters for login password	Bugs Fixed: N/A Changes: N/A	N/A
2.2	N/A	N/A	EDR-G903	New Features: N/A Enhancements: N/A	Bugs Fixed: 1. Bug Fix: Under IE7 browser, some pages in web UI cannot display all functions 2. Bug Fix: After system reboot, EDR-G903 may not establish VPN tunnel automatically Changes: N/A	N/A

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2.1	N/A	N/A	EDR-G903	<p>New Features:</p> <ol style="list-style-type: none"> 1. Supports Broadcast Search by Moxa Ethernet switch utility (EDScfgui.exe) in Bridge mode. 2. Supports Firmware Upgrade by Moxa Ethernet switch utility (EDScfgui.exe). <p>Enhancements:</p> <p>N/A</p>	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. When using Chrome, the EDR-G903 checks against the user account password when logging in as Admin. 2. After the EDR-G903 has been switched from router mode to bridge mode, NAT, Firewall, QoS policy, and LAN IP address settings for router mode are accessible prior to a restart. 3. Firewall or QoS policy failed to clear when all the rules are deselected and cleared in one application. Previously, the policies would only all clear correctly after a restart or another policy change if all rules were cleared in one application. 4. The same VPN local subnet settings cause EDR-G903 only pass packets through the first VPN tunnel to remote sites 5. In bridge mode, the assigned interface will be invalid when configuring a layer 2 filtering policy. 6. The 1-to-1 NAT rule will be invalid when it is assigned an interface. 7. LLDP table is not empty when disabling LLDP. 8. EDR-G903 ping fail from web console to 	N/A
2.0	N/A	N/A	EDR-G903	<p>New Features:</p> <ol style="list-style-type: none"> 1. Add IPSec, L2TP VPN function 2. Add RIP function 3. Add Bridge mode Firewall 4. Add SNMP Private MIB <p>Enhancements:</p> <p>N/A</p>	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. Fix login password check fail by Google Chrome browser 2. Fix NAT or LAN IP does not clear when user change Network mode from Router mode to Bridge mode <p>Changes:</p> <p>N/A</p>	N/A



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1.0	N/A	N/A	EDR-G903	New Features: 1. First release for EDR-G902 series. Enhancements: N/A	Bugs Fixed: N/A Changes: N/A	N/A