

Robustel GoRugged R3000 Release Notes

NOTES

This release note will show details of the latest upgraded firmware compared with the previous one. Firmware upgrade information about all versions is accumulated in this release note, so you can check history here.

This release note is applicable to R3000 series products with ROS, including R3000, R3000 Lite and R3000 Quad.

Note: APP V2.0.x only applies to V2.0.x firmware and App V3.x.x applies to V3.x.x firmware only.

VERSION V3.0.9

Release Date: Feb 26, 2018

Version Inherited: V3.0.7

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Added aes192 encryption algorithm item of IPSec.
2	Increased the max number of VPN (IPSec/GRE/OpenVPN) tunnel to at most 6.
3	Exceeded the size of R3000 NVM syslog log file and modified a single file to 5M.
4	The Remote IP Forwarding of firewall defaulted to on.
5	The link was compatible with NetMask 255.255.255.255 (HUAWEI modules supported temporarily).
6	Integrated WiFi new driver. Adopted new WiFi implementation.
7	Improved USB automatic update, supported update of configuration files of different names, verified before updating firmware version with the same version number not updated.
8	Automatically reboot the device when run out of memory.
9	Improved cellular extra AT command sending processing, sent lowercase command before registration and uppercase command after registration, fixed the problem that "at" can't be processed in the command.
10	Always allow new client access in the TCP mode of serial Port function.
11	EC25 module supported AT over Telnet.
12	Increased AT command debugging time to 3 minutes, and supported AT+COPS=? command query.

13	Optimized firmware backup strategy. Firmware upgrade will not synchronize in the backup partition, only when restart system after updating will the primary partition synchronize with the backup partition.
14	Upgrade hardware of U disk to be compatible with bin and ruf formats.

BUG FIXED

Bug#	Descriptions
1	Fixed the problem that time can't be synchronized when system time is later than the actual time.
2	Improved LP41 module. Fixed the problem that some modules can't be rebooted and the signal value was greater than 31 sometimes.
3	Fixed the problem that the default flow control status of RS232 was inaccurate.
4	Fixed the problem that no GPS information was reported on RobustLink App.
5	Fixed the problem that SMS receiving was abnormal after EHS6 module dialed.

OTHERS

Index#	Descriptions
N/A	

VERSION V3.0.7

Release Date: Dec.21, 2017

Version Inherited: V3.0.6

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Extended the max configurable entry of firewall configuration to 50, including Whitelist Rules, Filtering Rules, Port Mapping and Custom Rules.
2	Updated dnsmasq to version 2.78, supporting min-cache-ttl configuration options.

3	Compatible with UC20 module; support dial up, SMS, frequency selection of locking network, and AT over Telnet features.
4	Added band, RSRP and RSRQ display of Cellular. This new feature is only applied to HUAWEI serial modules, Sierra HL7549/HL7539 and ME3630 modules. (support Band status only)
5	User management parameters can be exported.
6	Private parameters are enciphered by default when export parameters.
7	When serial data forwarding is as TCP server, support 3 client ends to connect with it simultaneously.
8	HE910D supports AT over Telnet feature.
9	Supported new character “!” on the user management page.
10	Supported new character “!” in the password of RobustLink App.
11	The USER light of R3000 series can be used to indicate WiFi status.

BUG FIXED

Bug#	Descriptions
1	Fixed the bug that CLI couldn't configure filtering rule of firewall.
2	Fixed the bug that time was not accurate after the device powered off since version 3.0.3. It is only applied to R3000 series.
3	Fixed the bug that Sierra HL7xxx series failed to dial up in some countries.
4	Support display of SSID name with blanks in WLAN scanning result.
5	Fixed the bug that DHCP sometimes failed to gain IP when fix MC7544 module.
6	Fixed the bug that interval would not increase when RobustLink App was reconnected.
7	Fixed the bug that status change couldn't be triggered by DI.

OTHERS

Index#	Descriptions
N/A	

VERSION V3.0.6

Release Date: Nov.13 2017

Version Inherited: V3.0.5

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	After registration fails, AT command can be sent.
2	EHS6 modules fails to dial via private network APN.
3	Fixed the bug that ME3630 module couldn't lock the network.
4	Optimized module's initial process to solve slow dialup problem of some modules.
5	Optimized the dialup process of HL7XXX family modules.
6	Compatible with MC7455 module.
7	Added whitelist in the firewall.

BUG FIXED

Bug#	Descriptions
N/A	

OTHERS

Index#	Descriptions
N/A	

VERSION V3.0.5

Release Date: Sept.25 2017

Version Inherited: V3.0.4

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
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N/A	
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BUG FIXED

Bug#	Descriptions
1	Failed to upgrade firmware if 3.0.4 had no SN.
2	Rtest failed to test R3000 Lite.

OTHERS

Index#	Descriptions
N/A	

VERSION V3.0.4

Release Date: Sept.14 2017

Version Inherited: V3.0.3

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Added ovpn_cert_get command for CLI, which enables Openvpn certificate to be downloaded by URL. URL supports FTP, HTTP and HTTPS.
2	Optimized Openvpn and IPSec's x509 certificate import method, thus, users do not need to modify the name of the certificate before importing.
3	Optimized DHCP request policy, improving its speed to get IP address.
4	Fixed the problem that the user name of Super user could not be changed.
5	Added custom contents DI alarm triggered and DI alarm recovered.
6	The help that PPPoE's MTU automatically minus 8 is displayed.
7	Updated Chinese language pack.
8	Fixed the problem that quad_serial_port_type OID was repeated with route OID.
9	Modified the information of Digicomm OEM.
10	Added authentication mechanism for file configuration.
11	Corrected the SIM indicator.

12	Upgraded encryption algorithm of user name's password to SHA512.
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BUG FIXED

Bug#	Descriptions
N/A	

OTHERS

Index#	Descriptions
N/A	

VERSION V3.0.3

Release Date: Aug.7, 2017

Version Inherited: V3.0.2

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
YFXQD170725-01	Improve TAP function of Openvpn, enabling Tap to bridge with lan0. Optimize WAN Up/Down event handler to avoid up/down event when Ethernet cable is disconnected.
YFXQD170727-01	Add custom firewall rules, switch of console and status of firewall functions.
1	Add root authority access function.
2	Modify web's upload limitation, supporting to import larger App.
3	Optimize ELS61-E dialup processing, changing method from PPP to DHCP.
4	The serial port is compatible with modbus ASCII gateway.
5	Synchronize time via GPS and send GPS data via serial.
6	Optimize RTC control.
7	Optimize module hot-plug control to fix HE910-D dialup failure.
8	Optimize mechanism of data traffic filter to solve the problem that CPU is highly occupied in the rdd process when throughput is high.
9	Update IPSec source components to the latest version and support IKEv2 authentication method.

BUG FIXED

Bug#	Descriptions
N/A	

OTHERS

Index#	Descriptions
1	UBOOT version: 3.0.0
2	Platform version: Robustlink V2.0.3 and later
3	Automatic testing of R3000Quad supports software version 1.1.0 and later only.

VERSION V3.0.2

Release Date: May26, 2017

Version Inherited: V3.0.1

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Support serial port type switch by software in R3000Quad V2
2	Compatible with modules: EHS6 and ELS61

BUG FIXED

Bug#	Descriptions
N/A	

OTHERS

Index#	Descriptions
1	UBOOT version: 3.0.0

2	Platform version: Robustlink V2.0.3 and later
3	Automatic testing of R3000Quad supports software version 1.1.0 and later only.

VERSION V3.0.1

Release Date: Apr.1, 2017

Version Inherited: V3.0.0

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Compatible with new module HL7528

BUG FIXED

Bug#	Descriptions
1	

OTHERS

Index#	Descriptions
1	UBOOT version: 3.0.0
2	Platform version: Robustlink v2.0.3 and later

VERSION V3.0.0

Release Date: 1st Apr. 2017

Inherit Version: V2.0.3

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Wi-Fi Feature Support
2	Changed independent App DDNS to the default feature of the system
3	Default parameter Customize Support
4	Parameter rollback Support
5	Add memory usage statistic
6	E-mail Notification supports TLS encryption transmission
7	Parameter configuration support all special characters
8	Default to enable PING detective and dual SIM card back up
9	Update the parameters of the device via USB port
10	Optimize the link switch policy, when both links are not available the switching operation will be continue which is in order to confirm if the link is recovery.
11	Optimize the link control policy. Under all back up mode, link switching takes precedence over link redialing.
12	Delete "Aggressive Reset" parameter of Web page, and default to enable it in system.

BUG FIXED

Bug#	Descriptions
1	When set the APN before register network, router failed to register in some 4G network.

OTHERS

Index#	Descriptions
1	UBOOT Version: 3.0.0
2	Platform Version: Robustlink V2.0.3 or above

VERSION V2.0.3

Release Date: 16th Nov. 2016

Inherit Version: V2.0.2

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Modify RobustVPN feature that the router will restart the system when it is the first time to connect to RobustVPN or obtain the new network information from RobustVPN.
2	Set WWAN1 as primary link and WWAN2 as backup link, router will switch to WWAN2 when WWAN1 is unavailable and then try to switch back to WWAN1 at intervals.

BUG FIXED

Bug#	Descriptions
N/A	

OTHERS

Index#	Descriptions
1	Hardware Version: R3000Standard_V1.2.1, R3000Lite_V1.3.2, R3000LiteM_V1.0.0, R3000Quad_V1.1.0
2	UBOOT Version: 2.0.1
3	Platform Version: Robustlink V2.0.3 and above

VERSION V2.0.2

Release Date: 18th Sept. 2016

Inherit Version: V2.0.1

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Compatible with MC7430 module
2	Support upload syslog to robustlink
3	Add remote ip option in Port Mapping, and support be access via VPN tunnel
4	NAT feature in Link Manager can be closed optionally
5	Switch back to the available primary link immediately under warm backup mode
6	Login Protect feature can be closed by uploading configuration file
7	Add MAC/IP binding option in DHCP

BUG FIXED

Bug#	Descriptions
718	Fix the problem with router will enter uboot mode after reboot, and solve the firmware lost problem
883	Fix the problem with the MTU of lan0 in Robustlink is incorrect
893	Fix the problem with fail to access router when the IPSec local subnet was set as 0.0.0.0/0

OTHERS

Index#	Descriptions
1	Hardware Version: R3000Standard_V1.2.1, R3000Lite_V1.3.2, R3000LiteM_V1.0.0, R3000Quad_V1.1.0
2	UBOOT Version: 2.0.1

3	Platform Version: Robustlink V2.0.3 and above
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VERSION V2.0.1

Release Date: 18th May. 2016

Inherit Version: V2.0.0

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Optimized driver of Sierra modem

BUG FIXED

Bug#	Descriptions
606	Fix the problem that MC7304/MC7354 module cannot dial up successfully and connect to the internet

OTHERS

Index#	Descriptions
1	Hardware Version: R3000Standard_V1.2.1, R3000Lite_V1.3.2, R3000LiteM_V1.0.0, R3000Quad_V1.1.0
2	UBOOT Version: 2.0.0
3	Platform Version: Robustlink V2.0.3 and above

VERSION V2.0.0

Release Date: 18th Mar. 2016

Inherit Version: N/A

ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	First release version of ROS firmware

BUG FIXED

Bug#	Descriptions
N/A	

OTHERS

Index#	Descriptions
1	Hardware Version: R3000Standard_V1.2.1, R3000Lite_V1.3.2, R3000LiteM_V1.0.0, R3000Quad_V1.1.0
2	UBOOT Version: 2.0.0
3	Platform Version: Robustlink V2.0.3 and above
