Robustel RCMS Release Notes

NOTES

These release notes outline new functions and bug fixes applied to the RCMS platform in chronological order (Most recent at the top).

VERSION V3.5.5-patch20261105

Release Date: Nov 5, 2026
Version Inherited: V3.5.5-patch20260617

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	MQTT Broker Test	Yes	1. Added an “MQTT Broker Test” feature under RobustLink - Edge2Cloud. 2. Allows users to send a predefined subscription configuration to the device, establish a separate MQTT connection, and forward Edge2Cloud messages to RCMS. Supports viewing message payloads with timestamps and exporting the results as a TXT file. Note: The device must be online and have an Advanced License or above. Requires RCMS APP v5.4.0 for RobustOS, firmware v2.4.0 for RobustOS Pro.
2	Dark Mode	N/A	1. Added support for Dark Mode, allowing users to select between UI themes in “Account - User Account - Theme Mode”. 2. The selected UI theme is saved for subsequent visits.
3	Operations Console - Data Usage	Yes	Added an Internet Access switch to the device list under “Operations Console - Commercial - Data Usage”, allowing users to remotely enable or disable Internet access for LAN and Wi-Fi devices connected to the corresponding router. Note: Requires RCMS APP v5.6.0 for RobustOS, firmware v2.4.0 for RobustOS Pro.

4	Account - Users - Reset MFA	N/A	Added a manual Multi-Factor Authentication (MFA) reset option in “Account - Users - Action”. The Owner can reset MFA for all users. Administrators can reset MFA for users with the Admin role or lower, excluding the Owner.
5	OpenAPI	N/A	Added support for updating the name of a specified device through the “Update Device Name” API. Please refer to the API Manual in “RCMS - Support - OpenAPI” for details.
6	OpenAPI - Call Status	N/A	Added a real-time “Call Status” field to the “Device Detail Info” API to report “Off-hook” or “Idle” status. Note: This feature is only applicable to the EV8100.
7	R1320LG Supported	Yes	Added support for the R1320LG and LoRa-related pages.
8	LG3120 Supported	Yes	Added support for the LG3120 and LoRa-related pages.
9	LG5120 Supported	Yes	Added support for the LG5120 and LoRa-related pages.

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	OpenAPI	N/A	1. Fixed an issue where the “Device Licenses” API returned license information inconsistent with the RCMS portal, including a null “licenseExpireTime” value when an expiration time was displayed in the portal. 2. Fixed an issue where toggling a Digital Output (DO) through OpenAPI returned an error. 3. Updated terminology for API parameters, changing “true/false” labels to “required/optional”. Added functional descriptions for each API. 4. Optimized the “Sample” section formatting for better readability. Changed the “RCMS OpenAPI Quick Start Guide” to open in a new browser tab. 5. Added missing API entries and aligned their order across the Beta and Production environments.
2	VPN Group	Yes	1. Added user validity periods of 7 days, 30 days, permanent (default), or custom. Expired accounts are marked as “Expired”, disabled, and disconnected. 2. Added a searchable “Description” field and displayed descriptions, validity status, and expiration time in the user list. 3. Added the “Group Name” field in VPN group views and removed the display of VPN server information.

			4. Fixed the “End Time” recorded when a connected device is removed from a VPN group and added total data usage for each VPN session.
3	Device Groups	N/A	Fixed an issue where the group list in the “Move Group” dialog did not display correctly when all devices in the company were grouped and the ungrouped device count was zero.
4	Connection History	N/A	Optimized the display of WWAN connection durations, using days, hours, and minutes instead of decimal minutes.
5	Remote Access	N/A	Added support for copying content from SSH, RDP, and Telnet remote access sessions and pasting externally copied content into the sessions.
6	eSIM Configuration	Yes	Added support for eSIM Configuration on RobustOS Pro devices. Note: Requires RobustOS Pro firmware v2.5.0.
7	Zero Touch	N/A	Added support for eSIM configuration for RobustOS Pro devices in the Zero-Touch Template.
8	Device Password Configuration	N/A	1. Standardized the validation rules for device login passwords configured through RCMS. 2. Passwords must contain 8 – 32 characters and at least three of these four character types: uppercase letters, lowercase letters, numbers, and special characters.
9	Site Survey	N/A	1. Optimized the warning message to clarify that the device must be connected via WWAN1 or WWAN2 before starting a test. 2. Added fixed columns and 4G/5G group headings to the survey results table.

VERSION V3.5.5-patch20260617

Release Date: June 17, 2026
Version Inherited: V3.5.5-patch20260427

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description

1	Account Whitelist	N/A	Removal of the single-owner restriction, allowing one approved email address to create and manage as many companies as needed, rather than being limited to just one. Note: Please contact Robustel Support to request this feature.
2	Device Details - Configuration	N/A	Removal of the “Edit Configuration” feature, as it is no longer supported or maintained and has been retired from the platform. Note: The official EOL notification document can be found under the RCMS->Support->Resources directory.

VERSION V3.5.5-patch20260427

Release Date: April 27, 2026
Version Inherited: V3.5.5-patch20251229

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	Email Settings	N/A	1. Supports the use of the OAuth 2.0 method to verify email settings. 2. Supports enterprise email servers like Gmail, Microsoft 365 Outlook, Zoho, etc. 3. Optimized the synchronization logic for email settings between the main account and distributor console module.
2	Zero Touch	Yes	Added support for eSIM configuration for RobustOS device in Zero-Touch Template, enabling users to configure multiple eSIM profiles in bulk. Note: Only devices with an eSIM chip or plastic (removable) eSIM card can use this feature. Requires RobustOS RCMS APP v5.5.0 and firmware v5.5.0.
3	Compact OEM Logo	N/A	Added support for uploading a custom compact logo to display in the sidebar when collapsed.
4	Copy Device SN	N/A	Added a copy button allowing users to quickly copy device Serial Numbers throughout RCMS.

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Device License	N/A	3. Optimized the license upgrade pop-up to automatically identify required license types and display available quantities. 4. Optimized the prompt text relating to Captive Portal licenses.
2	Device Connection	N/A	Optimized the device authentication logic of device MAC addresses.
3	Firmware Downgrade	N/A	1. Added strict downgrade restrictions: Devices running V5.6.0 or higher are prohibited from downgrading to any version prior to V5.3.5 due to EN-18031 requirements. 2. Improved the warning message when downgrading firmware to clearly inform users of potential impacts on device stability or functionality.
4	Device LAN Information	Yes	1. Fixed an issue in the 'Device Status Data' API where LAN information was missing. 2. The new API call has been added to support query LAN interface configuration and the list of connected devices, please refer to the API Manual in "RCMS -> Support -> OpenAPI -> RobustLink - Device" for details: • Device LAN Information: /api/link/device/lanInfo Requires RCMS APP v5.6.0 for RobustOS, 2.4.0 for RobustOS PRO (release date TBC)
5	RobustVPN Client v2.1.7	N/A	A new version of the RobustVPN desktop client has been released. 1. Optimized the disconnection logic for the VPN client to eliminate previous lag issues during the "disconnect" action. 2. Allow the desktop client to dynamically acquire VPN group types for improved configuration flexibility. 3. Allow users to adjust the UI width within the client interface for a more customized and ergonomic workspace. For the latest installation package, please refer to Support > Resources > RVPN Manager in the RCMS

			platform.
6	Operations Console	N/A	1. Changed the default state of the Auto-Installation setting to Disabled. 2. Fixed an issue where registered devices would automatically install to the Installation list before the Operations Console module was activated. 3. Added clear version requirement notifications within Operations Console - Settings to ensure optimal user experience.
7	User Invitation Status	N/A	Optimized the invitation process for users with only RVPN Client role.
8	RCMS	N/A	1. Added an “Ungrouped” option in Device Group drop-down filter, making it easier to view devices that are not assigned to any group. 2. Optimized the warning message when importing invalid files. 3. Optimized the naming conventions for displaying APP and firmware versions. 4. Optimized the "Device Power Status" API to achieving parity with the cloud platform. 5. Fixed an issue where device-tag filtering did not work correctly on pages beyond the first in the device list.

VERSION V3.5.5-patch20251229

Release Date: Dec 29, 2025
Version Inherited: V3.5.5

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	Configuration - eSIM Configuration	Yes	Added eSIM Configuration feature to the existing Configuration tab in the device details page. 1. Supports viewing the latest eSIM configurations and the failsafe settings on the device.

			2. Allows users to view, edit, delete, enable, and disable eSIM profiles, delivering enhanced control and flexibility in managing the eSIM lifecycle. Note: Only applicable for devices with an embedded eSIM. Requires firmware v5.5.0 & RCMS APP v5.5.0 for RobustOS.
2	Voice Call Test	Yes	Added a new “Voice Call Test” tab to the device details page and device group for testing call functionality, supporting for scheduled automatic tests. Note: This feature is only applicable to the EV8100. Requires RobustOS PRO RCMS APP V2.3.0.
3	Account - OEM	N/A	Added an "APP Sort" feature to Account - OEM, allowing companies to customize the app sorting in RCMS GUI to meet business needs.
4	Open API	N/A	The following API calls have been added to query the device power status and device call records, please refer to the API Manual in “RCMS -> Support -> OpenAPI -> RobustLink - Device” for details: 1. Device Power Status: /api/link/device/devices/{sn}/powerStatus 2. Device Call Records: /api/link/device/devices/{sn}/callRecords
5	Remote Access -SFTP Protocol	N/A	Added a new protocol “SFTP” to the Remote Access feature, allowing users to remotely access the file server of the gateway. Note: This protocol is only supported on RobustOS PRO devices.

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Remote Access - Protocol Port	Yes	The remote access pop-up now retrieves port information from the device configuration and generates the remote

			access link based on the user-defined port. Requires RCMS APP v2.3.1 for RobustOS PRO and v5.4.0 for RobustOS.
2	Device Groups - Configuration	N/A	Added a new field called “Target Devices” for customer to quickly select all online devices to apply.
3	Device Groups - Upgrade Module Firmware	N/A	Adjusted the display order of the fields “Target Version” and “Original Version” and the logic for upgrading module firmware.
4	IO Control - DO Schedule	Yes	1. Added a new field “Schedule status” to show the enable status of each Digital Output (DO) schedule settings. 2. Added the ability to configure schedule settings for each Digital Output (DO) and apply the updates to the device. Requires firmware v5.4.0 & RCMS APP v5.3.0 for RobustOS, and rosp v2.4.0 & RCMS APP v2.3.0 for RobustOS PRO.
5	Data Unit Display Optimization	N/A	Added unit labels (e.g., MB, ms) to field headers in lists and export reports, and removed units from the corresponding data fields in Device Information, Device Groups, Passenger WiFi, and VPN Groups pages.
6	Distributor Console	N/A	The following changes have been implemented in the Distributor Console: 1. Optimized the logic to modify the company type to “Reseller” in the Edit Company Type popup window. 2. Adjusted the display logic for the end customer count. 3. Added the ability to resend the invitation emails or generate invitation links for company accounts with a “pending” status. 4. Fixed an issue where distributor-customized insufficient license notifications were not dynamically displayed as the distributor’s account in the pop-up when triggered. 5. Added a “Target Customer” field to the “Assign

			Product" dialog for companies of type "Reseller", allowing Distributor to assign licenses either to the downstream company or directly to its end customers. Note: It is visible to Distributors only after Reseller applies and Robustel Support enables license assignment permission.
7	RCMS License	N/A	Added the ability to view the total devices to be renewed for the next billing period on the RCMS license product list.
8	Alert Settings	N/A	Fixed an issue where alert severity changes were not synchronized to grouped alert rules, which could cause inconsistent alert levels when events were triggered.

VERSION V3.5.5

Release Date: Oct 14, 2025
Version Inherited: V3.5.4-patch20250819

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	Site Survey	Yes	Added a 'Site survey' tab in the RobustLink - Device details page: 1. Added the ability to start survey and view the survey result for the last three months in the device details page. 2. Added the ability to remotely enable/disable the 'Automatic Upload to RCMS' setting. 3. Added the ability to execute a site survey through CLI interface and remote SSH. 4. Added the field 'Site Survey' to the device list in 'View All Devices', to view the enable status of site survey on the device. 5. Added the ability to synchronize license type of the device to the device WebUI.

			Note: The following device series do not support this feature: R131x, R2000, M120X, R3010, R2100, MG460, R3020
2	Operations Console - Report	N/A	Added Report functionality to 'Commercial' section for estate log events, supporting scheduled and manual report generation with flexible periods (daily/weekly/monthly, or last day/last 7 days/ last 30 days/custom), event item selection (including custom variables), and PDF export for viewing and download.
3	Operations Console - Ping	Yes	Added a 'Ping' tab to Tech Support: 1. Added the ability to visualize the port status of device and view the interface of each port. 2. Added the ability to ping the IP address and domain to test the network connectivity.
4	Operations Console - DO Control	Yes	Added a 'DO Control' tab to Tech Support: 1. Added the ability to view the Digital Output status of device and remotely toggle Digital Output. 2. Added the ability to set the DO schedule settings of each DO and forward to the gateway.
5	Operations Console - Terminal	Yes	Added a 'Terminal' tab to Tech Support, provided 'most used commands' list at the right of the page and allow to click the commands to quickly access through the CLI interface.
6	Operations Console - Settings	N/A	• Added a new menu item "Settings" to the left-side menu in the Operations Console module. • "Auto-installation settings" feature is moved from "Commercial" to 'Settings' menu.
7	Operations Console - Estate Log	Yes	The following Alert Events have been added to Estate Log, please see the 'Estate Log - Log Settings" for details: • LoRa CRC errors exceeded x% / LoRa CRC errors below limit • Packet forwarder is disconnected / Packet forwarder is reconnected • PoE Overload / PoE Overload Cleared • PoE Overload on ETHx / PoE Overload on ETHx Cleared • Low Router Supply Voltage / Low Router Supply Voltage Cleared • Cellular Network changed

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Operations Console - Provisioning	N/A	Changed the field 'Pre-Installed Application' to provide a drop-down list to show the applications can be installed for selection.
2	Operations Console - Tech Support	Yes	1. Changed the column name 'Connected MACs' to 'Connected Devices'. 2. Added new information 'SIM ICCID', 'SIM IMSI' and 'APN' to Diagnostics Check result.
3	Operations Console - Estate Log	N/A	1. Optimized the naming of buttons in the Log Settings. 2. Changed the column name 'Action' to 'Event Notification Settings'. 3. Added 'API Notification' information to Event Notification Settings pop-up window. 4. Added new filter options on the View Logs page, event logs can now be filtered by Model, Device Group, and Operator. 5. Added the default suppression value '1440 minutes' to the help text. And 'Alert Suppression Interval' field is set to 'disabled' in Event Notification Settings pop-up window when the event does not support alert suppression.
4	LoRa information	Yes	Optimized LoRa information display to adapt field content based on firmware version, ensuring compatibility across different firmware versions.
5	VPN Group	N/A	Changed the default Group Type to Virtual IP Only in the pop-up window for creating a VPN group.

Note: The features and improvements marked with 'Yes' require firmware v5.4.0 & RCMS APP v5.3.0 for RobustOS, rosp v2.4.0 & RCMS APP v2.3.0 for RobustOS PRO to be installed.

VERSION V3.5.4-patch20250819

Release Date: Aug 19, 2025
Version Inherited: V3.5.4-patch20250731

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Device Groups - Devices	N/A	Updated the device verification process when bulk importing devices to a group.
2	RobustVPN	N/A	Optimized VPN Server virtual subnet allocation logic.
3	RobustVPN - End Device Management	N/A	Fixed an issue when end devices having the same IP but attached to different gateways in the same VPN group failed to initialize.

VERSION V3.5.4-patch20250731

Release Date: July 31, 2025
Version Inherited: V3.5.4-patch20250522

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	Version Control	N/A	Modified the firmware upgrade logic to prevent unsupported firmware versions being applied to device series.
2	LoRa Alert	Yes	Added four alert events relating to 'LoRa CRC Errors' and "LoRa Packet Forwarder status change" to RobustLink - Alert Center.
3	Device Details	N/A	Added 'Network Operator' information at the top of the device details page.

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Passenger WiFi	N/A	1. Added 'Users' in the Portal Group, allowing Administrator to add/remove users to manage the access permission of portal group. 2. Added the ability to export portal statistics reports,

			including data from six individual charts within the portal group. 3. Optimized the portal template UI of default WiFi portal for both PC and mobile preview page in the pop-up window of creating portal template. 4. Removed the Terms & Conditions template from the popup window when creating a portal template. 5. Removed the background image settings from the popup window of session settings. 6. Changed the portal image limit to 400KB per image. Requires RCMS Portal APP V5.1.1
2	Distributor Console	N/A	Added new columns in the customer list to display the available number of Captive Portal Pro license and Operations Console licenses.
3	Device Group - Apps	N/A	Added support to search by device SN and APP name in the Device Group - Apps.
4	Device Group - Devices	N/A	Added support for bulk importing devices to the group via XLS file.
5	RobustOS PRO Firmware	N/A	RobustOS PRO firmware name is changed to 'rosp'.
6	OpenAPI	N/A	The following API calls have been added to support specifying multiple portal groups, please refer to the API Manual in "RCMS -> Support -> OpenAPI -> Portal Manager" for details: • Query Device List of Portal Multiple Template Group: /api/link/captivePortal/templates/devices • Portal Multiple Template Group Reports: /api/link/captivePortal/templates/charts
7	RCMS	N/A	1. Improved the logic for displaying an OEM logo. 2. Resolved an issue where devices without a cellular module displayed an incorrect warning message when attempting to use Remote Access Links.

VERSION V3.5.4-patch20250522

Release Date: May 22, 2025
Version Inherited: V3.5.4-patch20250513

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Zero Touch	Yes	1. Updated the menu name 'Device Templates' to 'Zero Touch'. 2. Device Templates is categorized into four distinct sections for better user experience: • Overview - providing introduction text and images describing zero-touch configuration to enhance user understanding. • Create Template - allows customers to manage and create device templates for different device series. • Apply Template - optimizes the process of template application and the verification of imported data and provides a pop-up to highlight verification issues. • Update History - provides the update history of device templates, including requested time, actioned time, update status etc. 3. Added the ability to download a new per-device parameter template for RobustOS and RobustOS PRO devices on Create Template page. 4. Added the ability to configure WiFi parameters and add an E2C Modbus point table to the template. 5. Removed the 'Parameter Selection' step from the popup window when applying a template replacing it with a per-device parameter template. 6. Changed the wording for the Update Time option in the Apply Template popup window in Zero touch, device group and device details page. 7. Temporarily removed the 'Update Manually' option when applying a template.

Note: The Zero Touch feature requires RCMS APP V5.3.0 for RobustOS and V2.3.0 for RobustOS Pro to be installed.

VERSION V3.5.4-patch20250513

Release Date: May 13, 2025
Version Inherited: V3.5.3-patch20250429

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Device Details - Configuration	N/A	1. Added the EOL (End of Life) notification to the pop-up window of Remote UI. 2. Fixed the issue where the Remote UI displayed abnormally. 3. Fixed the issue where empty tags were formatted as closed tags when downloading device configuration files. 4. Fixed the issue where uploading a configuration file in one device tab could incorrectly apply the update to another open device tab and generate an incorrect update record.
2	Device Details - Apps	N/A	Fixed the issue where an error occurred during batch uninstallation of applications.
3	RCMS	N/A	1. Fixed the issue where API permissions were not updated after modifying user roles. 2. Fixed the issue of abnormal permission association for Passenger WiFi and Edge2Cloud. 3. Fixed the issue where existing users were not added to the AAD company group when assigned to a company.

VERSION V3.5.4-patch20250429

Release Date: April 29, 2025
Version Inherited: V3.5.3-patch20250317

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	RVPN PC Client v2.1.5	N/A	1. Fixed known bugs. 2. Enhanced compatibility to support Windows 11 operating system environments.

VERSION V3.5.4

Release Date: Mar 17, 2025
Version Inherited: V3.5.3-patch20241107

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	RobustLink - Alert Center	N/A	1. Added the ability to allow customers to customize new alert rules and trigger conditions based on device behaviour. 2. Added the ability to allow users to view alert statistics and alert event logs over a specified period. 3. Added the ability to allow customers to set an alert level for each alert.
2	Time-Based Access Restriction Settings	N/A	Added Time-Based access restrictions for customers to limit user access within a specified time range. Note: This can only be set by the account owner or admin.
3	R131x Supported	Yes	Removed 'Update only' option for R131x device series firmware upgrade in device details, device group - firmware and device template. Requires firmware v5.3.106 & RCMS APP v5.2.1
4	R2120 Supported	Yes	Added 'PoE Status' to R2120 device detail page: 1. Added the ability to monitor the PoE status of each ETH port. 2. Added the ability to configure the PoE output status and mode of each ETH port. Requires firmware v5.3.116 & RCMS APP V5.2.3
5	Batch Remove Devices	N/A	1. Added the ability to remove devices in batches. 2. Changed the button name 'Import status' to 'Batch Status' in Add/Remove devices, click it to view the batch import and batch remove records. 3. Added the field 'Type' to the status list and removed 'Description' field from the status list. 4. Added the filter 'Type' to the popup window of Batch Status.
6	Alert Events	Yes	Added PoE alert events to RobustLink - Alert Center: • PoE Overload / PoE Overload Recovery

			• PoE Overload on ETHx / PoE Overload on ETHx Recovery • Low Router Supply Voltage / Low Router Supply Voltage Recovery Requires firmware v5.3.116 & RCMS APP V5.2.3

IMPROVEMENTS

#	Function	RCMS App Update Required?	Descriptions
1	Signal Strength Optimization	Yes	1. Added 'Network Architecture' to 'Connection log' and 'full status report' report to distinguish between 5G NSA and SA networks. 2. Optimized the signal strength range of Signal Strength states for different network types. 3. Adjusted the Y-axis of the signal strength chart to RSRP and RSSI values and added coordinate point styles to distinguish different network types. Requires RCMS APP V5.2.2 for RobustOS and V2.2.1 for RobustOS Pro
2	RobustOS Pro Firmware Optimization	N/A	1. Added 'Firmware' tab to RobustOS Pro device details page to manage firmware upgrade. 2. Added RobustOS Pro series and firmware version selection in the Update popup in Device Group - Firmware. 3. Added 'Firmware' field to the popup window of Create Template and RobustOS Pro device series template details.
3	Passenger WiFi	N/A	1. Added a new tab 'Overview' to provide an introduction about how passenger WiFi works. 2. Added the ability to dynamically preview the template when the template is modified. 3. Added a new chart 'Portal Data Usage Per Day' for customer to view the total data usage per day within 1 week/15 days/1 month. 4. Added the ability to display a quick overview of portal data usage over last 3 months by clicking the icon at the top of portal group.
4	Device Group	N/A	Supported to fuzzy search for device groups by device group name, device SN, and user account in device groups list.
5	Email Settings	N/A	1. Added the ability to reset email settings with one click. 2. Added the ability to test the email settings currently displayed in the popup window by clicking Test button.

6	OpenAPI	N/A	1. Optimized the button style and text in the popup of View secret key. 2. Added the new parameter 'data usage' to the 'Portal Manager - Portal Template Group Statistics' API for customers to query portal data usage. 3. Updated the document 'Operation Instruction'.
7	Insufficient License Notification	N/A	1. Optimized the Auto-renew status processing logic for devices when the amount of license is insufficient to complete the next cycle renewal. 2. Optimized the cycle calculation for Auto-renew. 3. Optimized the email notification frequency for insufficient licenses. 4. Optimized the insufficient licenses notification email to display only the license types that are insufficient. 5. Added new notification modes for insufficient license, private message notification and page banner prompt.
8	Account	N/A	Updated the menu ‘RCMS Asset’ to ‘RCMS Licenses’.
9	RCMS	N/A	1. The list sequence number displayed after changing pages is changed to sequential numbers throughout RCMS. 2. Optimized the help text in the popup window of IO Control for RobustOS Pro device. 3. Optimized the prompt text when a user clicks a button without selecting an item in the list.
10	Other	N/A	1. Fixed the bug where page data was not refreshed when switching multiple VPN group details tabs. 2. Fixed an issue where after initializing an end device in a VPN group, the connection to the current VPN group of the account would be disconnected and the VPN group where the end device resides would be automatically connected.

VERSION V3.5.3-patch20241107

Release Date: Nov 7, 2024
Version Inherited: V3.5.3

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions

1	CLI Access	Yes	Optimized the CLI Access function.
2	RobustLink	No	1. Fixed the bug where data is missing on the Device Information page. 2. Fixed the bug where the SN hyperlink was not available in the device group. 3. Optimized the loading speed of Portal group details page.

Note: The improvement marked with "Yes" requires the latest RCMS APP (V5.2.2 for RobustOS and V2.2.0-2 for RobustOS Pro) to be installed.

VERSION V3.5.3

Release Date: July 10, 2024
Version Inherited: V3.5.2-patch20240523

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	Upgrade Module Firmware	N/A	1. Added the ability to remotely upgrade cellular module firmware for multiple devices and view the upgrade history. 2. Added 'Module Series' and 'Module Firmware Version' fields in View All Device list and Device Group-Devices list. 3. Added 'Module Series' and 'Module Firmware Version' filter for searching. 4. Added 'Module Firmware' to view and download the supported module Firmware version file in the App Center. Note: Only the Accounts that have module firmware upgrade Settings enabled can view content relating to module firmware.

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	RobustLink - Add	N/A	Added 'Device Series' field on Add Device popup window,

	Device		this will be automatically populated with the device series when a Serial Number is entered.
2	Device Template	N/A	Added the ability to see devices with Basic license when assigning a template to devices.
3	Remote Access	Yes	1. Added 'Generation status' and 'Error details' field in Generate Links popup window. 2. Added 'Valid Links' tab to display all valid links. 3. Added 'Link History' tab to display the history of previously generated links, including generation history and expiration history. 4. Optimized the process of link generation, added process display for better user experience. 5. Added APP version prompt page display when access link is unavailable. 6. Added server allocation based on the device area to improve access speed.
4	OpenAPI	N/A	Added the ability to allow customers to collect alert logs of devices within a group, within a specified time range including alert name, alert level and alert time.
5	Other	N/A	1. Optimized the prompt text after clicking the USE button of Operations Console. 2. Added the minimum version of firmware and RCMS app prompt text for ROS PRO device on Operations Console - Dashboard.

Note: The improvement marked with "Yes" requires the latest RCMS APP V5.2.0 to be updated.

VERSION V3.5.2-patch20240523

Release Date: May 23, 2024
Version Inherited: V3.5.2-patch20240411

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	Update Firmware	N/A	Optimized firmware upgrade logic when updating to v5.3.0.

VERSION V3.5.2-patch20240411

Release Date: Apr 11, 2024
Version Inherited: V3.5.2-patch20240305

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	Operations Console	N/A	1. Optimized uptime calculation rules on Operations Console. 2. Added information text advising of the minimum device firmware and RCMS app versions required for using Operations Console module. 3. Fixed the bug that the ROS PRO device series options were missing when creating SOW. 4. Fixed the bug where some installation records generated by auto-install could not be edited.
2	Captive Portal	N/A	Fixed the bug where historical session data was retained for longer than 3 months. This fix ensures data is stored for a maximum of 3 months.
3	RCMS	Yes	Added support for AMR994X, AMR104X and AMR105X device models.

VERSION V3.5.2-patch20240305

Release Date: Mar 5, 2024
Version Inherited: V3.5.2

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	Batch Auto-Install	N/A	Added a button in Operations Console - Commercial for customers to auto-install all devices registered but not

			installed in RobustLink into Operations Console.

VERSION V3.5.2

Release Date: Feb 26, 2024
Version Inherited: V3.5.1-patch20231214

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Descriptions
1	Operations Console	Yes	Added Operations Console module with the following functions: • Allow customers to clearly identify and manage the configuration and deployment process of their devices. • Allow customers to easily register new installations and to manage a database of existing installs. • Provide customers a variety of tech support tools to help diagnose and solve device problems. • Allow customers to view the key device metrics, such as data usage and uptime. • Allow customers to view and configure alerts/events and view these events across an estate of devices over the previous three months.
2	RobustLink - Remote Access	Yes	Added the ability to generate a shareable temporary link with different protocols (HTTPS, SSH, Telnet and RDP) to allow users to easily access devices remotely.
3	Multi-Factor Authentication	N/A	Added Multi-Factor authentication to RCMS login. Note: This can only be set by the account owner or admin.
4	View All Devices - Export Reports Periodically	N/A	Added the ability to generate periodic reports for each report under the Reports tab. When this function is enabled, reports are periodically generated and sent to specified email addresses.
5	Device Group - Export Reports	N/A	Added 'Reports' tab to device group for user to manage the report created and to export reports once or periodically.
6	Test Email	N/A	Added "Test Email" button for customer to verify that the

			SMTP and email settings are correctly configured.
7	Account	N/A	Added a "Default module after login" setting to allow users to set RobustLink, RobustVPN, or Operation Console as the default module.
8	RCMS Asset	N/A	Implemented a payment method for Operations Console module. Each license provides 30 days access to all Operations Console features with the MoQ being 12 licenses. Each company account is eligible for two months free of charge.
9	Other	Yes	1. Adjusted the input verification rules of device Serial Numbers throughout RCMS and only support English letters and numbers, up to 50 characters. 2. Added two new roles “Provisioner” that only has read/write permissions for RobustLink - Add/remove Devices functions and “Installer” that only access Operations Console module to be able to install and view the device information that this user has registered.

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	RobustLink Improvements	N/A	1. Any reference to “ROS” is changed to “RobustOS” throughout RCMS. 2. Added options to schedule update & reboot in ‘Update to RobustOS 5’ popup under device detail and device group. 3. Optimized the version selection of Firmware and Apps TAB hiding the version currently installed. 4. ‘Version’ is changed to non-required field in Uninstall APP popup window. 5. Added APIs for updating device tags, device group, description and RVPN group. 6. Added a new event ”Battery Switch is on” in Alert Settings.
2	LoRa Information	Yes	Allows users to view the Whitelisted DevEUIs in LoRa popup window.
3	Device Detail (EV8100 only)	Yes	1. Updated the reporting type for battery status and call status. Battery status now uses dynamic, call status to use on change. 2. Added a Refresh button for customer to manually refresh

			the data of battery charge status.
4	ROS PRO Supported	Yes	Added the following support to ROS PRO devices: 1. Speed Test, allows users to test the upload/download speed of their device and to choose the size of the test payload. 2. Remote Access, allows users to access device remotely with different protocols. 3. LoRa Status, allows users to view all LoRa status information and the Whitelisted DevEUIs. (Only for LoRa enabled gateways e.g. LG5100) 4. Report tab, allows users to view WiFi status, Cellular information and use DI function.

Note: Several new features and improvements marked with "Yes" require the latest firmware v5.2.2 and APP v5.1.0 to be updated.

VERSION V3.5.1-patch20231214

Release Date: Dec.14, 2023
Version Inherited: V3.5.1

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	Device Group - Alert Settings	N/A	Seven alert types are added to Device Group-Alert settings popup window. Note: Only devices with batteries support these alert types.

VERSION V3.5.1

Release Date: Nov.23, 2023
Version Inherited: V3.5.0-patch20230726

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Descriptions
1	ROS PRO - Software Repository	Yes	1. Implemented the ability for ROS PRO devices to install, upgrade and uninstall apps with the software repository. Note: The software repository is a backend feature. 2. Removed 'Firmware' TAB in the ROS PRO device details page. 3. Removed ROS PRO devices from the "Update" and "Update To ROS 5" popup window in the Firmware TAB of the device group. 4. Removed the 'Device Firmware' fields in the Create Template popup window in Device Templates. Note: 'rosp-core' and 'rosp-rcms' apps for ROS PRO devices cannot be uninstalled.
2	Electronic Invoice	N/A	Added the ability to issue electronic invoices when customers purchase RCMS products online.
3	Email Subscription	N/A	Allowed users to disable account related email notifications sent from the RCMS platform e.g. purchase notification, release notes etc.
4	EV8100 Support	Yes	1. Added displaying of call status, power supply mode, battery status in the device details page of EV8100 devices. 2. Added 'Call Record' TAB to show the record reported by device when device call ends.

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	RVPN Improvements	N/A	1. Allowed users to filter the VPN Group by VPN Region. 2. Allowed users to view the VPN group type and group data usage (month to date) in the VPN Group information
2	RVPN Desktop Client	N/A	3. Updated the RVPN Windows desktop client UI to provide a better user experience. 4. Include more detailed information of VPN groups.
3	Other	N/A	1. Added support searching and filtering by MAC Address in 'View All Devices' and the display of 'Mac Address' field in the list. 2. Disabled the ROS PRO option in the popup window of 'Uploading App' in App Center-Custom App.

			Note: Uploading custom ROS PRO apps is not supported currently.

VERSION V3.5.0-patch20230726

Release Date: July 26, 2023
Version Inherited: V3.5.0-patch20230707

BUG FIXED

Bug#	Function	RCMS App Update Required?	Descriptions
1	Device Location	N/A	Optimize the loading speed of map
2	Switch Connection	N/A	Fixed the bug that display of device offline and timeout when switching connection
3	Configuration	N/A	Fixed the bug that General Settings is missing on the IPsec of Remote UI.

VERSION V3.5.0-patch20230707

Release Date: July 7, 2023
Version Inherited: V3.5.0-patch20230630

BUG FIXED

Bug#	Function	RCMS App Update Required?	Descriptions
1	Device Details	N/A	Fixed a bug that exported file of WAN/WWAN Traffic Usage / Signal Strength is in a strange order .
2	Device Details	N/A	Fixed a bug that chart date is displayed incorrectly after selecting a specific date in Connection History.
3	All functions	N/A	Optimize exporting speed for large amounts of data.

VERSION V3.5.0-patch20230630

Release Date: Jun. 30, 2023
Version Inherited: V3.5.0

BUG FIXED

Bug#	Function	RCMS App Update Required?	Descriptions
1	Device Map	N/A	Fixed a bug where the map pin does not follow the device location when zooming out on the device map.
2	Device Location	N/A	Optimized updating of location information.
3	View All Devices	N/A	Fixed a bug where some auto-renew license types fail to display in the Device list.
4	Portal Manager	N/A	Added information text that is displayed when no Portal is configured.
5	RVPN	N/A	Fixed a bug where the RVPN device can possibly fail to reconnect after a disconnection.
6	RVPN Group	N/A	Updated Ungrouped VPN group to include ROS PRO devices.
7	Distributor Console	N/A	Fixed a bug where the online purchase status of new added license displays incorrectly.

VERSION V3.5.0

Release Date: Jun.25 , 2023
Version Inherited: V3.4.9-patch20230605

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	ROS PRO Support	Yes	Added support for RobustOS PRO devices.
2	Portal Manager	Yes	Added the ability for users to add and manage their own

			portal template group, including device management, session history, and multi-language.
3	Captive Portal	Yes	Added the ability for user to view current captive portal clients, session history and update history of captive portals.
4	Captive Portal License	N/A	Added Captive Portal PRO license to provide access to captive portal feature.
5	Reset Device Password	Yes	Allows device password to be reset from RCMS
6	Remote Action - Access Serial Port	Yes	Adds the ability for customers to access Cisco routers via the USB console port when connected via supported Robustel devices
7	Remote Action - Comms Check	Yes	Add a ”Comms Check” button. After clicking, USR LED on the device will flash 5 times
8	IO Control	Yes	Add a ”RESET TIMER” feature in DI status. Allowing users to customize the DI counter reset time and interval
9	DI Event Report	Yes	Allows user to view the count total within a period of time and the timestamp of each count.
10	OpenAPI	N/A	1. Adds API for DI Counter to report the count total within a period of time. 2. Adds API for users to collect captive portal information and historical data.

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	Device Details	N/A	Add Lan0 IP Address and delete Hardware Version / Kernel Version field in the information
2	Point Table	Yes	Some improvements to the point table: • Data type field adds a new type ”Double” • Endianness field adds four options “ABCDEFGH/ GHEFCDAB / BADCFEHG / HGFEDCBA” • Add “Trigger” and “Trigger Upload”fields • Update Point table template
3	Location	N/A	Added Color indicators to represent connection status for groups of devices
4	Set Auto-renewal	N/A	Changes the default value of license to Advanced and the default value of period to continuous.
5	Support	N/A	In the left menu of Support , swapped the display location of OPEN API and Resources.
6	Distributor Console	N/A	Improvements to the assignment of license

7	All functions	N/A	1. Change all export functions to asynchronous export in RCMS for better user experience. 2. Clear the search box after switching pages. 3. Improved text box content limits to provide a better user experience.

Note: Several new features and improvements marked with"Yes" require the latest firmware and APP to be updated.

VERSION V3.4.9-patch20230605

Release Date: Jun. 5, 2023
Version Inherited: V3.4.9-patch20220906

BUG FIXED

Bug#	Function	RCMS App Update Required?	Descriptions
1	Sorting	N/A	Fixed a bug affecting sorting by various parameters.

VERSION V3.4.9-patch20220906

Release Date: Sep. 6, 2022
Version Inherited: V3.4.9

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	Point Table	N/A	Allows RCMS users to create, export and forward a point table for use with the Edge2Cloud App on gateways.
2	Firmware Update to ROS5	N/A	Allows users a simple upgrade path for RobustOS enabled devices to RobustOS V5 for supported devices.
3	Device list view	N/A	Add LAN0/LAN1/LAN2 fields in device mapping in the device list, LAN1 and LAN2 fields are hidden by default

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	Device list view	N/A	Show/Hide Firmware Version field in the list
2	License - auto-renew	N/A	Improvements to auto-renewal functionality
3	Export device list	N/A	Allows users to export the device list and view the export records for the current day
4	OpenAPI	N/A	The following API calls have been modified, please see the API Manual in "RCMS -> Support -> OpenAPI" for details. *For the following APIs, begintime and Endtime are required when requesting parameters.* • /api/link/device/devices/{sn}/alertLogs *Remove the following return parameters: alertStatus, severity, groupId, ipAddress, source, deviceName, groupName, companyId, createdTime, id, busType, timestamp, status* • /api/log/device/devices/{sn}/syslog *Remove the following return parameters: fromHost, deviceReportedTime, id, priority, facility* • /api/link/device/gpsReport • /api/link/device/devices/{sn}/signalStrengthLog • /api/link/device/devices/{sn}/statusData • /api/link/device/devices/{sn}/regularReport *Remove the following return parameters: id* • /api/link/device/connectionHistory • /api/link/devices/{sn}/firmwares *Remove the following return parameters: applicableDevices*

VERSION V3.4.9

Release Date: Feb 22, 2022
Version Inherited: V3.4.8

NEW FEATURES

Ref#	Function		RCMS App Update Required?	Description
1	RCMS	Distributor	N/A	Allow distributors to view eligible rebates and spending

	Rebate Information		from downstream customers in the Distributor portal.
2	Resources Folder Structure	N/A	The Resources module now supports hierarchical structure of folders and files and can create a shareable link valid for 48 hours.
3	Data Packs	N/A	Allow customers to manually use data packs on demand, or set the priority of automatically used data packs.
4	App Uninstallation	N/A	Allow customers to set a specified time to uninstall Apps on a device.
5	OpenAPI	N/A	Allow customers to obtain license and location information through the RCMS OpenAPI.
6	PoE Status	Yes	Allow customers to view the current PoE status and enabled / disabled status for each Ethernet/LAN port *(only for PoE enabled gateways like the R2000 D)*
7	LoRa Status	Yes	Allow users to view all LoRa status information in RCMS. *(only for LoRa enabled gateways like the R3000-LG)*
8	RemoteUI - Status	Yes	Allow users to view ROS status while using RemoteUI.
9	Licenses Auto-Renew	N/A	Allow customers to select the license level when enabling auto-renewal.

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	RCMS Free Trial	N/A	If a registered device is deleted and added to another company in RCMS, then the device is automatically granted another free trial.
2	Device List View	N/A	Allow customers to search SSID, IMEI, ICCID, IMSI fields in the “View All Devices” list.
3	5G Signal Strength	N/A	RSRP parameters used to display the signal strength of 5G devices.
4	RemoteUI	N/A	Fixed a bug that after an item is deleted through the RemoteUI function, the sequence number is displayed abnormally, and a new item cannot be added.
5	Device Templates	Yes	Improved the device templates layout and delivery method for offline devices.
6	License Renewal Periods	N/A	Users are now unable to add multiple licenses at once to a single device in RCMS. Instead users can now set an expiration point on auto-renewal to perform the same function.

VERSION V3.4.8

Release Date: Oct 20, 2021
Version Inherited: V3.4.7

NEW FEATURES

Ref#	Function	RCMS App Update Required?	Description
1	New Company Type 'Re-seller'	N/A	Added a new tier in the company hierarchy called 'Re-seller', which sits below 'distributor'. This new company type can be used to manage multi-tiered sales relationships.
2	Device Allocation	N/A	Distributor and re-seller level accounts can now transfer devices from their account to downstream accounts.
3	Distributor Console	N/A	Allow distributors to turn their end customers into re-seller.
4	App Center	N/A	Allow customers to view E2C apps in RCMS and update to the device remotely.
5	RobustVPN	N/A	Allow customers to select VPN region when creating a RVPN group, and devices in the group will be assigned to VPN servers in the selected region.
6	Bulk uninstall of Apps	N/A	Allow users to uninstall multiple apps on a single device.
7	Device List View	N/A	Allow users to view ICCID/IMSI in "View All Devices".

IMPROVEMENTS

Bug#	Function	RCMS App Update Required?	Descriptions
1	User Activity Log	N/A	The user activity log now logs more functions including group, license and VPN changes.
2	OpenAPI Limitations	N/A	Limited the number of OpenAPI calls to five per second to ensure fidelity of service.
3	Device Compatibility	N/A	RemoteUI and device software update function support R201X and ET801X series devices.
4	Device List View	N/A	Allow customers to customize the width of each field of "View All Devices" list.
5	All functions	N/A	Improved text Formatting and UI to provide a better user

			experience.

VERSION V3.4.7

Release Date: May 31, 2021
Version Inherited: V3.4.5

NEW FEATURES

Note: Several new features require the RCMS App to be updated - The latest version can be found in the App Centre and either downloaded or sent to you devices OTA with an Essentials License or above.

Ref#	Function	Descriptions
1	New Role Type 'Limited-User'	Added a new RoleType called 'Limited-User' that only has read & write permissions on devices assigned to them.
2	RVPN access only default role	Creates a role that is only given RVPN client permission and cannot access the RCMS GUI.
3	Sniffer Capture Tool	Added the ability to capture data packets via RCMS – The same as the Sniffer function in RobustOS.
4	IO Control	Allows customers to view the current DI/DO/AI status and change the DO status.
5	Historical Syslog	Allows customers to export & download historical syslog data.
6	List of errors when adding devices in bulk.	Allows customers to view the error log for each device in a list when adding devices to RCMS in bulk.
7	List View Options	Allows customers to view SSID and Smart Roaming status in the View All Devices list – Custom views are now saved.
8	RobustOS App Status & Control	Allows customers to view installed apps on their device and Enable/Disable them remotely.
9	Bulk uninstalling apps	Allows customers to uninstall RobustOS apps in bulk and view uninstallation records.
10	Update progress and failure reasons	Allows customers to view apps/firmware update progress and failure reasons if the update fails.
11	Device update timer	Allows customers to set a specified time to update the device app/firmware or apply templates on devices.
12	RVPN Dual Encryption	Allows customers to select the encryption method when creating a group.
13	RVPN Advanced Settings	Allow customers to change MTU/Fragment parameters in RVPN - Settings.

IMPROVEMENTS

Ref#	Function	Descriptions
1	Device Support Update	Fixed a bug where update firmware/APP/RemoteUI were not functioning as intended on newer model devices.
2	OTA Error Messaging	When an OTA update to a device fails more specific error messaging will be displayed to help the user locate the issue.
3	Unicode Support	Device tags and custom naming in RCMS now support all Unicode character sets.
4	Delete Data on Device Removal	Allows customers to choose to delete all associated data when a device is removed from their RCMS account or not (Device data will only be retained if the device is added back to the same company).
5	RVPN Client automatic reconnection	The RVPN client now supports automatic reconnection attempts.
6	RVPN client logs	RVPN client now stores logs by date for audit and troubleshooting purposes.
7	RemoteUI	Fixed a bug causing a parameter display issue when editing configuration in RemoteUI.
8	Test COM Port & Send Serial String	Optimized error message when no serial ports are available or when serial ports are disconnected.

VERSION V3.4.5

Release Date: Nov 12, 2020
Version Inherited: V3.4.3

NEW FEATURES

Note: Several new features require the RCMS App to be updated - The latest version can be found in the App Centre and either downloaded or sent to you devices OTA with an Essentials License or above.

Ref#	Function	Descriptions
1	RCMS Quick Start	Gives users a short tutorial and instructions the first time they log into RCMS.
2	Test COM Port & Send Serial String	Allow users to access the COM port of a device and open a new command window to send user defined ASCII strings to simulate a

		conversation.
3	XML Update Improvement	Updated error details when uploading an XML file to a device fails.
4	CSQ Display	Display the CSQ of both SIM slots in RCMS.
5	Insufficient RAM (95% RAM) Alert	Add an alert when customers devices have insufficient RAM to install new Applications to RobustOS.
6	DI Events	Allow users to view reports based on different connected Digital Inputs (DI) and receive alerts notifications when there is a status change.
7	GPS Report and Settings	Allow customers to view and configure reports based on GPS data from their Robustel gateway.

IMPROVEMENTS

Ref#	Function	Descriptions
1	Users & Roles	• Added a new RoleType called 'Operator' that has read & write permissions. • Renamed CommonUser to ReadOnly.
2	Transaction history	Allows distributors to view all online/offline transaction history from their end customers.

VERSION V3.4.3

Release Date: Aug 20, 2020
Version Inherited: V3.4.3

NEW FEATURES

Ref#	Function	Descriptions
1	RVPN Group Data Limit	Allow customers to set an RVPN data limit at a group level NOTE: Group & Individual RVPN Data Limits have been moved to the RobustVPN module and are no longer located in the Accounts > Licenses section.
2	Device 'Tagging' System	Allows customers to add tags to devices and use Tags to manage and filter devices in RCMS.
3	RCMS OpenAPI Upgrade	Updated the OpenAPI to provide 'Write' permissions to the

		following calls: 1. Add/Remove Devices. 2. Update Firmware/Apps/XML. 3. Remote Actions (including Data Parameters, Reboot, Speed Test). 4. Start/Stop Group and Device VPN Connection.
4	RVPN Alert Email Settings	Allow distributors to white label alert emails when their end customer's licenses or RVPN data is insufficient.
5	Device Geography	Allows customers to set different geographic regions for their devices to connect to the closest available server to reduce latency and ping time to RCMS and automatically assign the closest device area based on company account location. Note: By default all existing devices in RCMS are set to the West Europe region - Regions can be changed in the Device List.
6	RemoteUI	Allow users to visualize the current configuration of a device and modify it using the GUI instead of an XML file. Note: Extended this feature to work with R2000, R3000, R1500, R1510, R1520 series devices.
7	RCMS New Data Report	Allow customers to view GPS data reports and optimize all RCMS data reports.

IMPROVEMENTS

Ref#	Function	Descriptions
1	CSQ Status	Change the state when CSQ equals 0 to "Pending".
2	RCMS Registration	Modified RCMS terms of services and privacy policy.
3	Syslog	Fixed a bug where users could repeatedly turn on/off real-time syslog before receiving action results.
4	Group Configuration Fix	Fixed a bug that caused the Update Configuration File to be incorrectly displayed in Group Updates.

VERSION V3.4.1 - patch20200703

Release Date: Jul 3, 2020
Version Inherited: V3.4.1

NEW FEATURES

Ref#	Function	Descriptions
1	OPENAPI Extension	Updated the API to provide the following calls: 1. Device location information. 2. Device full status report. 3. Device regular report. 4. Device alert logs. 5. Device latest/history syslog.

VERSION V3.4.1

Release Date: Jun 9, 2020
Version Inherited: V3.3.0

NEW FEATURES

Ref#	Function	Descriptions
1	Custom Reports	Added the ability to allow customers to create and view custom reports for each device.
2	RVPN Initialization	Added the ability for customers to initialize VPN group/device/user manually and view the initialization status, to improve RVPN connectivity.
3	Azure IoT Connector	Added the ability for customers to add edge IoT devices (Sensors) connected to Robustel devices to Microsoft Azure IoT Central through RCMS. Note: This feature requires an updated version of the RCMS App to be released later in June.
4	License Auto-Renewal Period	Allow customers to configure a set auto-renewal period for a device instead of having a device auto-renew in perpetuity.
5	PLC Remote Access	Allows customers to add eligible PLC devices to their RobustVPN 'Virtual IP only' Group(s) to remotely access and control PLCs from a RobustVPN Virtual LAN.
6	Roles and Permissions	Overhauled the User module: There are now 3 default Role Types: "Owner", "Administrator" and

		"CommonUser". Owner is a unique role that is allocated to the user that created the RCMS Company Account and can perform all functions. Administrator can perform both read and write permissions. CommonUser can only perform read-only permissions. Note: Since the CommonUser role will now only have read-only permissions, any previous CommonUser with write permissions, will be changed to Administrator automatically.
7	RemoteUI	Allows users to visualize the current configuration of a R2000 / R3000 device and modify it using the GUI instead of an XML file. More models will be supported in the future. Note: This feature requires an updated version of the RCMS App to be released later in June.

IMPROVEMENTS

Ref#	Function	Descriptions
1	App/Firmware OTA	Allow customers to view installed software as a list with a history.
2	OEM	Moved the OEM menu under the "Account" module.
3	OpenAPI	Allow users to remove the API client.

VERSION V3.3.0

Release Date: Mar 30, 2020
Version Inherited: V2.2.0

NEW FEATURES

Ref#	Function	Descriptions
1	Extended Access	Added the ability for same email account to be used across multiple company accounts and added the option to switch companies without having to login again.
2	Data Graph	Added the ability to allow customers to view Signal Strength/Connection History/Latency as a graph in RCMS, also

		export related data as a file
3	Data Graph	Added the ability to allow customers to view WAN Traffic Usage as a graph in RCMS, also export related data as a file. (This feature is currently available only on R2000/R3000 devices, and requires the latest version of firmware and RCMS App).
4	Alert	Added LAN up/down alert setting and alert sound function.
5	Switch Connection Type	Added the ability to allow customers to switch connection type manually.
6	Syslog	Enabling real-time syslog to collect data continuously until turned off.
7	RVPN	Added the ability to allow customers to create different types of VPN groups: Including 'Virtual IP + pushed Subnet' and 'Virtual IP only' (This feature requires the latest version of RCMS app).
8	Free Trial	Added the ability for all newly registered Robustel devices to automatically receive three free Advanced Licenses (90 days validity).
9	NON-ROS Supported	Added the ability for customers to add NON-ROS devices to RCMS.

Software versions and above that support WAN Traffic Graph:

Series / Software	R2000	R3000	R2100	M1200	R2110	R1500	R1510	MEG 5000	R3000 LG	R3010
Firmware	V3.0.24	V3.0.17	NA	NA	NA	NA	NA	NA	NA	NA
RCMS App	V3.0.2	V3.0.2	NA	NA	NA	NA	NA	NA	NA	NA

Software versions and above that support RVPN Group Type features:

Series / Software	R2000	R3000	R2100	M1200	R2110	R1500	R1510	MEG 5000	R3000 LG	R3010
RCMS App	V3.0.3	V3.0.3	V1.0.2	V1.0.2	V3.1.2	V1.0.2	V3.1.1	V3.1.2	V3.1.2	V3.1.2

BUG FIXED

Bug#	Function	Descriptions
1	OEM	Fixed a bug where RCMS interprets transparent backgrounds as black when uploading an OEM logo.
2	Invitation Email	Remove the extra 'Ltd' after Customer Name on the invitation email template.
3	RCMS Email Templates	Improved the text description of RCMS email templates to make content easier to read.
4	All functions	Improved text Formatting and UI to provide a better user experience.

VERSION V2.2.0

Release Date: Dec 13, 2019
Version Inherited: V2.1.0 - patch20191025

NEW FEATURES

Ref#	Function	Descriptions
1	Free Trial	Added the ability for all newly registered Robustel devices to automatically receive one free Essentials License (30 days validity).
2	Export Function	Added the ability to allow customers to export a complete list of all registered devices from the 'View All Devices' Page.
3	Resources	Customers can now download the latest official Robustel documentation and files directly RCMS.
4	FAQ	Added RCMS FAQ Page.
5	OEM/Whitelabel	Added the ability for distributor level users to upload a custom Logo and App name for a re-branded End Customer experience.
6	Email Notification	Added the ability to send system notifications and insufficient license level notifications via email.

BUG FIXED

Bug#	Function	Descriptions
1	Register an Account	Optimized the RCMS invitation template for compatibility with common mail clients.
2	App Center	Fixed a bug where End Customers could not use Custom Apps published by Distributors.

VERSION V2.1.0 - patch20191025

Release Date: Oct 25, 2019

Version Inherited: V2.1.0 - patch20191010

NEW FEATURES

Ref#	Function	Descriptions
1	Distributor Console	Added the ability to let Distributors enable/disable online payment of their End Customers.
2	Distributor Console	Added the ability to allow Distributors to see the invitation status of invited customers.

BUG FIXED

Bug#	Function	Descriptions
1	All functions	Text Formatting and UI changes to make content easier to read.
2	Device Locations	Improved the speed for updating location information after a device reconnects.
3	App Center	Optimised the display format of uploaded images.
4	Add/Remove Devices	Optimised the downloadable template used for batch importing of devices.

VERSION V2.1.0 - patch20191010

Release Date: Oct 10, 2019
Version Inherited: V2.1.0

NEW FEATURES

Ref#	Function	Descriptions
1	App Center	Allow customers to download Firmware.

BUG FIXED

Bug#	Function	Descriptions
1	Notifications	Fixed the bug that words get split across multiple lines and the wrong title/prompt of pop-up windows.
2	Notifications	Optimize user interface, make column headers clickable to sort and add Release Notes to Notifications module.
3	Device Templates	Allow users to upload their image for better templates management.
4	Device Templates	Fixed the bug that prompt error when template enable/disable.
5	Purchase Invoice	Optimize the invoice email template.

VERSION V2.1.0

Release Date: Sep 27, 2019
Version Inherited: V2.0.2

NEW FEATURES

Ref#	Function	Descriptions
1	App Center	Provide Apps/Firmware for customers to update devices remotely.
2	Zero Touch	Device Template can be created with Apps, Firmware, and Configuration file and applied on device(s) remotely.
3	Manual License	Device Template can be created with Apps, Firmware, and Configuration file and applied on device(s).
4	Release Notes	Super Admin and distributors can allocate license to customers who finish offline payment.
5	Notifications	For customers to read notifications from RCMS team or distributors.
6	Distributor Console	Allow distributors to manage their own customers, including device overview, licenses allocation and notifications sending.

PERFORMANCE IMPROVEMENT

Ref#	Function	Descriptions
1	All functions	Improve the user interface and text description for some features to provide better user experience.
2	All functions	Device Security mechanism improvement.

BUG FIXED

Bug#	Function	Descriptions
1	Customer Setting	Fixed the bug that prompt error when setting price of license.

VERSION V2.0.2

Release Date: Sep 20, 2019
Version Inherited: V2.0.1 - patch20190808

NEW FEATURES

Ref#	Function	Descriptions
1	RobustVPN	Supports all functionality of RobustVPN.
2	Purchase Invoice	Email invoice for every purchase.

PERFORMANCE IMPROVEMENT

Ref#	Function	Descriptions
1	All functions	Improve the text description for some features to provide better user experience.
2	All functions	Improve VPN traffic monitoring function.

BUG FIXED

Bug#	Function	Descriptions
1	View All Devices	Fixed the bug that prompt error when connecting device.

VERSION V2.0.1 - patch20190808

Release Date: Aug 8, 2019
Version Inherited: V2.0.1 - patch20190801

PERFORMANCE IMPROVEMENT

Ref#	Function	Descriptions
1	Payment	Update Payment gateway

VERSION V2.0.1 - patch20190801

Release Date: Aug 1, 2019
Version Inherited: V2.0.1 - patch20190701

PERFORMANCE IMPROVEMENT

Ref#	Function	Descriptions
1	Payment	Close the payment function for payment gateway upgrade until further notice.

VERSION V2.0.1 - patch20190701

Release Date: Jul 4, 2019
Version Inherited: V2.0.1

PERFORMANCE IMPROVEMENT

Ref#	Function	Descriptions
1	All functions	Improve the text description for some features to provide better user experience.

BUG FIXED

Bug#	Function	Descriptions
1	View All Devices	Fixed the bug when a device is offline accidently, RCMS cannot show the offline status correctly.

VERSION V2.0.1

Release Date: Jun 26, 2019
Version Inherited: V2.0.0

NEW FEATURES

Ref#	Function	Descriptions
1	User Register	Add the Verification Code to improve the security of registration.
2	Add/Remove Devices	Add the batch import function

PERFORMANCE IMPROVEMENT

Ref#	Function	Descriptions
1	All functions	Improve the control authority for basic licenses.
2	All functions	Improve the service performance.
3	All functions	Improve the website security.
4	All functions	Improve some text description for better user experience
5	View All Devices	Improve the device series definition

BUG FIXED

Bug#	Function	Descriptions
1	View All Devices	Fixed the bug that some devices will be frequent offline.
2	View All Devices	Fixed the bug that cli commands will be abnormal sometimes.
3	View All Devices	Fixed the bug some pop-out window will pop out twice.
4	View All Devices	Fixed the bug sometimes the SIM cannot get location.
5	Device Group	Fixed the bug that no tag appears when opening Device Group