



Cloud Manager Service (RCMS)



Robustel Cloud Manager Service (RCMS)

The next evolution of software delivery from Robustel



Robustel Cloud Manager Service (RCMS) is a modular IoT cloud software platform compatible with all Robustel products.

RCMS is designed from the ground-up to empower Robustel customers to build their IoT Solution(s) in a manner that is scalable, cost effective and can evolve quickly with the market.

Designed to work hand-in-hand with RobustOS, RCMS unlocks the true potential of Robustel products giving customers the ultimate range of monitoring, management and control functions.

With it's modular design RCMS enables new APPs to be added to the platform without interfering with core behavior, to create new functionality and allow for integration with third-party software.

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RCMS Basic

Monitor your Robustel devices with basic read-only access

-  Management Dashboard
-  Device Statistics & Location
-  Device Grouping
-  Remote Syslog

Included with all devices

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RCMS Essentials

Online Device Management & Control

All RCMS Basic Benefits

-  Firmware & Software Management
-  CLI Access & Remote Diagnostics
-  Device Alerts & Monitoring
-  Remote Config

per device / per month

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RCMS Advanced

Online Device Management Control & Advanced Routing

All RCMS Basic Benefits

+

All RCMS Essentials Benefits

+

-  Secure VPN Access
-  Desktop VPN Client & Access Management
-  Maximum of 5GB of VPN Data

per device / per month

Empower your devices with Cloud Management

RobustLink



Monitor

The RobustLink App inside RCMS gives you visibility of your entire Robustel device fleet in a single location from anywhere in the world. View device status, signal strength, data usage and WAN details for any device connected to the platform at the touch of a button

Management Dashboard

Total Devices Online/Offline | Devices by Connection Type | Total Devices by Group | Total Devices by Model | Total Devices by Cellular Carrier

Individual Device Statistics

Online/Offline Status | Connection Type & Link Details | Signal Strength | Data Usage | Location (GPS, Cellular or Manual) | Installed Apps & Firmware

Remote Syslog

Enable/Disable Syslog features remotely and export them for analysis

Manage

Use the RobustLink App inside RCMS to access your devices remotely to change configuration parameters or send device commands through remote Command Line Interface (CLI) access. Maintain your fleet through Over-the-Air (OTA) updates for Firmware, Apps and Configuration files in bulk or for a single device.

Over-the-Air (OTA) Updates

Update Firmware, RobustOS Apps and XML config files

Remote Command Line Interface (CLI)

Configure any device connected to RCMS using the CLI without the need for a fixed/addressable IP Address.

Remote Reboot

Remote actions allow you to automatically reboot a batch of devices or a single unit with the press of a button.

RobustLink



Control

Use the RobustVPN App inside RCMS to create a virtual LAN for your devices that can be accessed securely from anywhere in the world using the preconfigured desktop VPN client.

Access groups of devices through a single VPN

Configure VPN groups within RCMS to control the devices and users that are allowed to access your virtual network.

Controlled VPN Usage

Use RCMS to control when your virtual network is available. Configure your VPN to be always available or only when needed to reduce network traffic.

VPN Traffic Logging

VPN Traffic logs allow you to pinpoint problem devices quickly and efficiently.

RobustVPN



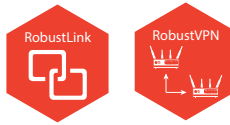
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RCMS Delivery Methods

Customize your RCMS deployment to suit your business

Delivery Method		
Description	RCMS Cloud is a shared public cloud deployment of RCMS available to all Robustel customers.	RCMS STACK is a private version of the RCMS platform packaged and installed in a customers environment.
Environment	Hosted by Robustel in partnership with Microsoft Azure for enhanced scalability and security options.	Hosted by the customer in their environment of choice; Either a local server, physical data centre or cloud provider.
Available Apps		
Price Model	OPEX with tiered pricing per device based on features required	CAPEX Set-up + Annual OPEX fee (Customer owns Infrastructure Cost)
Customization	- Custom APPs & Features available from APP Centre - Custom APP development available with restrictions	- Custom APPs & Features available on request - OEM Software Development options available at cost
API Access	Full RESTful API	Full RESTful API
Benefits	- Free Read-Only basic access for all customers - No need for hosting or third-party integration costs - Standardized Code Base updated regularly for security, bugs and new features. - Microsoft Azure Active Directory and IoT Hub Integration. - Connected to the Robustel App Centre to send the latest firmware and RobustOS APPs directly to devices.	- Custom URL & Destination Server - Standardized Code Base updated regularly for security, bugs and new features. - Data stored locally - Ports can be restricted for 'Local operation' - Becomes more cost effective at high device volumes as long as infrastructure is maintained.