RMCARD205-305 v1.6.0 Release Note

REMOTE MANAGEMENT CARD FIRMWARE RELEASE NOTES

Applicable Products: RMCARD205 / RMCARD305

Version 1.6.0 (Release Date: December 19, 2025)

New Features

- Adds support for firmware updates in PowerPanel Business (PPB)
- Now supports SAN IP input when renewing the default SSL certificate to ensure browsers display a secure HTTPS connection
- Now supports RootCA.crt file download to improve certificate management and ensure trusted HTTPS connections
- Adds the following download and upload Restful APIs:
    - /api/upsevent/event/download
    - /api/upsrec/rec/download
    - /api/system/diagnoinfo/download
    - /api/system/restore/download
    - /api/system/restore/upload
    - /api/system/firmware/upload

Feature Improvements

- Now HTTPS is set as the default protocol to provide more secure connections
- FTP service is Disabled by default to improve data protection and ensure secure file transfers
- The ECDSA algorithm has been adopted as the default SSL certificate to improve security and performance
- Updated the default cipher configuration by disabling CBC-based ciphers
- Added the following GCM-based ECDSA ciphers:
    - TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256
    - TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384
- SSH key protection was improved to prevent accidental exposure of private keys
- IPv6 is enabled by default
- Added Delay Configuration support for the following events:
    - The UPS is entering Bypass Mode
    - The UPS is internal temperature is too high
    - The UPS is entering ECO mode
    - A UPS wiring fault has been detected
    - The UPS battery capacity is lower than threshold and it will be exhausted soon
- Added the following SNMP OIDs:
    - upsIdentAgentSoftwareVersion
    - upsAdvanceApparentOutputPower

- A Serial Number field was added to the Modbus TCP register for easier device identification and integration
- Event and logging support was enhanced for PowerPanel Business (PPB) Management connections
- Added RESTful API support for the Viewer role with GET-only access permissions
- RESTful API routing was optimized to ensure consistent endpoint access, whether or not a trailing slash ("/") is included
- SMTP server password length was expanded up to 127 characters
- Users now have a mandatory username and password change when logging in with default credentials through the RESTful API to enhance security
- Added Restful API support in "/api/upsstatus" to display Three Phase UPS information

Fixes

- Adjusted some of the display content on the webpage
- Fixes an issue where certain display content in the Command Line Interface (CLI) is incorrect
- Corrects the problem where the system reboots if an unexpected OID is used in a SNMP GETBULK command
- Resolves an issue where the SNMP request GETBULK is no longer accessible after exceeding the last OID in the MIB
- Fixes a problem where enabling Modbus TCP while HTTPS was already enabled may cause the HTTPS service to stop responding
- Updated to correct an issue where enabling HTTPS with SSH already enabled may cause SSH to return a "connection refused" error
- Solves an error where the SNMP port remains open when SNMP service is disabled
- Fixes a problem where the card fails to login with the LDAP/RADIUS secondary server when a Domain Name System (DNS) resolution failure occurs on the primary server
- Updated to resolve an issue where the card fails to login through a local account when a DNS resolution failure occurs on the LDAP/RADIUS primary server
- It fixes a problem where the DNS is no longer responding when a DNS resolution failure occurs on NTP server and other services at the same time
- Resolves an issue where the UPS may unexpectedly reboot approximately two minutes after a power outage if it had previously been connected to PowerPanel Business (PPB) Remote or Management. This could happen even when the UPS has been disconnected from PPB
- Corrects an issue where the AutoPing action is not restored within the operation of the Restore Configuration
- Fixes an issue where the AutoPing events used incorrect SNMPv3 trap numbers, causing the monitoring systems to misinterpret them
- Resolves an issue where sending multiple Syslog events at once may lead to failure of certain system functions
- Resolves an issue where the RMCARD DHCP setting could not be enabled, via the LCD panel, with ONLINE UPS models
- Fixes a problem where adding a new LDAP server through the CLI, the configuration data from a previous server could appear unexpectedly

- Updated to correct an issue where the remaining runtime value "upsEstimatedMinutesRemaining" was not displayed for a Three-Phase UPS when accessed through SNMP
- Solves an error where the output load (%) in the Three Phase UPS status records show the same value for all three phases
- Fixes a problem where the Summary page displays normal operation when a Three-Phase UPS output is short-circuited
- Updated to resolve an issue when reading or setting the SNMP OID "upsBaseBatteryLastReplaceDate" could result in errors or fail to update correctly
- It fixes a problem where RESTful API could stop responding after extended use.
- The "/api/upsstatus" RESTful API returned incorrect data types in some response fields
- Updated to correct an issue where the "/api/upsstatus" RESTful API returned incorrect data types in some response fields
- Solves an error when configuring Syslog through the RESTful API with incomplete data, the syslog information on the web interface may display incorrectly
- Includes routine security updates to the Web service