

CYBER POWER SYSTEMS, INC.

REMOTE MANAGEMENT CARD FIRMWARE RELEASE NOTES

Applicable Products:

RMCARD400

Version 1.0.7 (Release Date: Sep. 05, 2025)

New Feature

- Support Multicast Domain Name System (mDNS)
- Support Modbus TCP function via Web Interface.
- Support Three Phase Tower UPS and Three Phase Modular UPS.

Feature Improved

- Disable the viewer account by default.
- Support firmware update via PowerPanel Business (PPB) Management.
- Expand the range of timeout minutes in [System->Security->Session Control] to allow up to 20 minutes.
- Improved sign-in performance when LDAP Server Type is set to Active Directory.
- Expand the maximum input length of [System->Identification->Location] to 128 characters.
- Added validation to reject unsupported certificate formats during certificate upload.

Bug Fixed

- Manual IPv6 address remained active after being disabled.
- The Hostkey Status is incorrectly displayed on the [System->Console Service] webpage.
- Accessory information is not displayed on PowerPanel Business (PPB) when the accessory sensor is connected to the RMCARD.
- Temperature and humidity in PowerPanel Business (PPB) Remote are displayed incorrectly when the RMCARD is not connected to an environmental sensor
- The Web Interface sometimes displayed "500 Internal Server Error" after login.
- The test email shows status "OK" on the [System->Notification-> Email Recipients] webpage, but no email is delivered.

Version 1.0.6 (Release Date: Feb. 17, 2025)

New Feature

- Support SSH Key-Based Authentication.

- Support pagination functionality for event logs and status records.

Feature Improved

- Support SNMP OID for Environmental Sensor.
- Support Command Line Interface (CLI) for Environmental Sensor.
- Add an event to record the results of firmware updates (Success/Fail).
- Force users to change different password upon logging in with default via the console interface.
- Modify copyright information.
- Adjust SMS Clickatell Service Function to meet the latest API method of Clickatell Server.
- Support IPv6 on NTP and Syslog server setting.
- Modify the "Date and Time" setting interface to calendar-style format and extend the setting range from 2015 to 2099.

Bug Fixed

- Setting both DHCP and IP simultaneously will not work when using the serial port in the Command Line Interface (CLI).
- Save and Restore Configuration function is dysfunctional for the configuration of Manager IP.
- PowerPanel Business (PPB) type is displayed incorrectly on the [UPS->PowerPanel List] webpage when connected to PowerPanel Business (PPB) Management.
- UPS battery voltage value on the [UPS->Information] webpage is displayed incorrectly.
- UPS does not force reboot when "Enter Sleep Mode when All Remote Shutdown" is enabled in [UPS->Configuration] and power is restored before PowerPanel Business (PPB) Remote shutdown.

Version 1.0.4 (Release Date: Mar. 05, 2024)

New Feature

- Support Restful API.
- Add Accessory/Environment sensor related commands on Command Line Interface (CLI) for SNEV001.

Feature Improved

- Display the RMCARD Serial Number on PowerPanel Business (PPB) Remote.
- Expand Name/Location/Contact length up to 64 characters for [System->Identification].
- Support ssh-ed25519 hostkey algorithm from SSH Server for security vulnerability consideration.

- Modify some display content of the webpage.
- Passwords will not be displayed when users log in via Hyper Terminal.
- Disable CBC in SSH for security vulnerability consideration.
- Add the SNMP OID as follows: upsTemperature \ upsFaultCode.
- Increase the timeout field in the RADIUS configuration.
- Modify the default settings as follows:
 - Enable HTTPS
 - Disable Telnet
 - Disable SNMPv1

Bug Fixed

- Special characters are not allowed when setting password.
- DHCP would be enabled occasionally for OL series UPS.
- RMCARD would mis-send overload event when UPS status is normal.
- The Warning condition on the [Summary->Current Condition] webpage is displayed incorrectly.
- The Authentication Mode on the [System->LDAP Configuration] webpage is displayed incorrectly when LDAP server type is Window Active Directory (AD).
- [Summary->Envir Status] webpage goes wrong if users try to change Accessory device structure.
- The system is sometimes unstable after system reset.
- The system will no longer send events after Accessory FW update.
- The IP address is incorrect when both DHCP and IP address are set simultaneously.
- The time zone does not function properly when set to Bangkok.

Version 1.0.3 (Release Date: Jul. 07, 2023)

New Feature

- Support configuration file/event logs file/status records file download via File Transfer Protocol (FTP).
- Support Host Name setting.
- Support HTTPS using TLSv1.3 and remove support for SSLv3.0, TLSv1.0, and TLSv1.1
- Provide the display of SNEV001 information to PowerPanel Business (PPB).
- Support SSH Hostkey upload via Secure Copy Protocol (SCP).

Bug Fixed

- The [Enable DHCP] setting under [System -> TCP/IPv4] may be unexpectedly disabled.

- The SNEV001 information is displayed incorrectly on the [Accessory] webpage when more than 5 devices are connected.

Version 1.0.2 (Release Date: Feb. 23, 2023)

New Feature

- Support SNEV001 (upgrade version of ENVIROSENSOR).

Feature Improved

- Modify some display content of webpage.

Bug Fixed

- When Manager IP has been set, user cannot log in to Command Line Interface (CLI) with the serial port.
- Power Panel Business (PPB) sometimes cannot get UPS Model Name when connected to the RMCARD400.
- System does not reject users from setting local account to default password.
- Unable to configure Start up Test on the [UPS->Configuration] webpage.
- Unable to configure NCL Bank on the [UPS->Configuration] webpage.
- The actual Over Discharge Time is longer than the configuration on the [UPS-> Configuration] webpage.
- Clicking the 'RESET' button on the [UPS->Status] webpage dose not reset the displayed kWh to zero.
- Unable to configure Dry Relay Function on the [UPS->Configuration] webpage.
- Only "0 min" can be selected for Battery Runtime Threshold on the [UPS-> Configuration] webpage.
- No matter how many Extended Battery Modules are selected, the display shows "None" after clicking "Apply" on the [UPS->Configuration] webpage.
- Only "Disable" and "29min" are available for selection in the drop-down menu for Periodical Battery Test on the [UPS->Configuration] webpage.

Version 1.0.1 (Release Date: Oct. 11, 2022)

New Feature

- Support user ability to enable/disable cipher suites for SSL Server.

Feature Improved

- Remove Gmail OAuth from the Email authorization function.
- Expand account/password up to 64 characters for the Administrator on the Local Account.

Bug Fixed

- UPS LCD control panel could not display and configure network information.
- Too much time to wait for displaying all status records on the [Log->Status Records] and downloading status records file on the [Log->Maintenance-> Save Status Records] webpage.
- Too much time to wait for setting Network Time Protocol (NTP) on the [Time-> System Time Configure] webpage.
- After restoring an Account, the Command Line Interface (CLI) cannot log in with the restored Account.
- The status record remaining time on the [Log->Maintenance] webpage is incorrect.
- Wake-on-LAN (WOL) function does not work.
- Reboot after setting fixed IP, Subnet Mask is inconsistent with the setting.
- Https service cannot be accessed via IPv6.
- Modify various Command Line Interface (Telnet/SSH/Universal) issues.
- PowerPanel Business (PPB) Remote is not removed from the [UPS->PowerPanel List] webpage after disconnection.
- UPS remaining runtime on the webpage and PowerPanel Business (PPB) do not match.
- SSH hostkey upload function does not work.
- Special characters '-' are not allowed when setting Network Time Protocol (NTP) Server.

Version 1.0.0 (Release Date: Jul. 7, 2022)

- First Release.

CYBER POWER SYSTEMS, INC.

www.cyberpowersystems.com

Contact in USA and Canada:

4241 12th Ave East, Suite 400

Shakopee, MN 55379

Toll-free: (877) 297-6937

Contact for all other regions:

Please visit our website for local contact information.