PMD Release Note

[2026-03-20] v4.0.4.0 Changelog

- New Device Support: Added support for the PM-5133 power meter.
- Bi-directional Energy Data: Added bi-directional kWh values for the PM-2133D(-MTCP) series.
- Algorithm Optimization:
  - Adjusted the calculation method for per-minute historical logs.
  - Updated the Power Factor (PF) calculation logic for Daily and Monthly reports.
- Fixed an issue where the local home page time was not synchronized/calibrated.
- Historical Chart: Added a filter to exclude non-numeric records from historical charts.
- Security & System Maintenance:
  - Enhanced Security: The FTP server is now disabled by default after a factory reset to prevent potential network attacks.

[2025-11-06] v4.0.3.0 Changelog

- Supports power meter PM-4324A-MTCP.
- Added bidirectional kWh values for the three-phase power meter(supported meters: PM-3x33 series).
- Added one-click packaging and download of debugging data.
- In System Setting → Other Setting → Voltage Display Unit Setting, configure the webpage to display the voltage unit as V or kV.
- When Phase Sequence, PT, or CT are not initialized, they are displayed as N/A.

[2025-07-24] v4.0.1.0 Changelog

- Query frequency options have been added to the Real-Time Chart and Historical Chart on both the web and local sides.

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- Fixed calculation of interval power consumption values sent to IoTstar.
- Fixed "FTP login failed" issue when sending data back to IoTstar.

[2025-05-02] v4.0.1.0 Changelog

- Added an interface for decimal place settings.
- Added an interface for network interface priority settings.
- Firmware file CRC check and firmware restoration functionality.

[2025-01-17] v4.0.0.0 Changelog

- Support for sending messages via Telegram.
- Support for LINE Messaging API push message function.
- Support for sending IoTstar Alarm notifications.

[2024-07-29] v3.7.0.0 Changelog

- Imporve the procedure of datalog file transfer between PMC and IoTstar.

[2023-06-28] v3.6.6.0 Changelog

- Optimize functions of Carbon Emission Settings.
  - Add Yearly Carbon Emission Factor Settings.
  - Add Carbon Emission option to Web Page Search function.
  - Add Carbon Emission Field to Downloaded CSV File/Excel Report.

[2023-04-19] v3.6.5.0 Changelog

- Add the display of OS version number on the webpage.
- Fixed the problem that WISE failed to add LINE Notify Chat Room.

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[2023-01-04] v3.6.4.0 Changelog

- Supported I/O Module: tM series.
- Optimize FTP data Recovery mechanism

[2022-02-18] v3.6.0.0 Changelog

- Add the support of ICP DAS IoTstar Trial service.

[2021-10-18] v3.5.1.0 Changelog

- Add the build-in support of Modbus RTU modules: DL-1020, DL-1021, DL-1022, DL-1023, DL-1038, DL-1050, DL-110-E and DL-120-E.

[2021-04-16] v3.5.0.0 Changelog

- Optimize FTP return performance
- Add the record items of Event log: The error information of server.
- Add the timeout mechanism of FTP connection to prevent the blocking situation.
- Fix the bug that fail to open PMC webpage when using the special character in the nickname setting of the controller.
- Fix the bug that fail to parse rules when only setting the unit of modbus data but without the nickname.

[2021-01-13] v3.4.8.2 Changelog

- Fix the abnormal setting problem of SNMP Trap, Azure, and Bluemix rule webpages.

[2020-12-22] v3.4.8 Changelog

- Add the mechanism to access the debug, log and eventlog folders via the webpage for troubleshooting.

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- Reset to factory default settings. (Local side Touch Screen operation)
- Optimize the firmware update procedure to prevent html files locked by the web server.

[2020-03-30] v3.4.7 Changelog

- Provide the timezone information of the PMC controller to IoTstar.
- Add a switch of SNMP server.
- Remove Facebook Messenger message sending function.

[2020-01-15] v3.4.6 Changelog

- Supported I/O Module: DL-301 and DL-303.
- Add the Energy Analysis function. (Local side Touch Screen operation)
- Add the I/O Real-Time Chart and I/O Historical Chart function. (Local side Touch Screen operation)

[2019-11-19] v3.4.3 Changelog

- Add Delay function.
- Supported Power Meter: PM-3133i and PM-2133D.
- Supported I/O Module: DL-10.
- Change ICP DAS logo on the webpage.

[2019-08-13] v3.4.2.2 Changelog

- Add the I/O Module Auto-scan function for the DL-10.

[2019-07-22] v3.4.2.1 Changelog

- Enhance the function of Power Meter Utility for WinCE.

[2019-07-16] v3.4.2 Changelog

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- Provides function of "Rule File Import & Export".
- "Re-boot System" and "Reset Modem" to the Rules Setting Page.
- Provides the Ping function to detect the connection status between the PMC controller and specified Ethernet devices. The results of Ping function can be used as IF conditions.
- Add warning message to remind user to save all parameter settings and Rule settings to the PMC.
- When the Rotary Switch is switched to 8, the function has been changed to "Delete logger files", "Reset accumulated values" and "Delete logger files and reset accumulated values".

[2019-05-02] v3.4.0 Changelog

- Provide new function to send Historical power data report to the user via email.

[Function Modification]

- Update IoTstar connection mechanism.
- The address range of Modbus RTU module is changed from 1~128 to 1~255.

[2018-12-18] v3.3.0 Changelog

- "Internal Register Setting" provide "Math Formula" function.
- The demand unit now can be set to either kW or kVA.
- Functions of "IoTstar Setting" are now merged into "IoT platform setting".

[2018-10-11] v3.2.4 Changelog

- Provide "VLN" and "VLL" query option.
- MQTT Reset variable action setting.
- Send a specific Messenger message to Facebook accounts via a Facebook Fan Page.

[2018-04-16] v3.2.1 Changelog

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- ICP DAS IR modules are now supported.
- The Rotary Switch state will be displayed on the “Main Page” on Web page.
- Provide function to Download or Update the Firmware on site. (The operation can be done on-site via Touch Screen operation)

[2018-02-12] v3.1.9 Changelog

- Supported LINE Notify message sending function.
- Add "Data Logger Start" and "Data Logger Stop" to the Rules Setting Page.
- Add "Silent Interval" and "Timeout" parameters to the functions of “scan power meter” and “scan I/O”.
- Enhance the performance for real-time data access to the IoTstar.

[2017-11-27] v3.1.6 Changelog

- I/O Historical Chart data can be data from I/O Data Logger or User-Defined Data Logger.(Web page operation)
- "Main Page" and "Power Data Information" provide "Frequency" query option.(Web page operation and Local side Touch Screen operation)
- In the "Real Time Information" page, users can view or setup the Voltage Mode of the power meter.(Local side Touch Screen operation)
- Provide data package on-line encryption when connected to IoTstar.

[2017-07-04] v3.1.5 Changelog

- Display Power Meter Frequency information in the Power Meter Information page.(Web page operation)
- Add Power Meter Frequency information in the Power Data Logger file and Historical Power Data report.(Web page operation)

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- Provide Weekly and Yearly Historical Power Data report for "Inquiry" or "Download" operations.
- Generate the Historical Power Data report in Excel file format, and can send it back to the control center by FTP.
- Add the I/O Module Auto-scan function for the DL series (DL-100/DL-302).
- Supported IoTstar Cloud Manager System.
- Supported IoT Platform(Microsoft Azure, IBM Bluemix and MQTT)
- Supported Dynamic DNS Setting
- Supported Power Meter: PM-4324A and PM-4324-MTCP
- The "User-Defined Data Logger Setting" supports column header function.(Web page operation)
- The Power Meter Group provides report of "Total Accu. Electricity”.
- No.51 to No.70 Internal Registers provide the "Retain Variable" mechanism.
- The "I/O Real-Time Chart" supports multiple I/O channel display function.(Web page operation)
- Previous SMS information (300031~33) on Modbus Table is changed to SMS Register Status, 3G Signal and 3G Signal Percent.

[2016-10-21] v3.1.0 Changelog

- Add the I/O Realtime Chart to display the real-time channel data of the I/O module in trend style. (Web page operation)
- Add I/O Historical Chart to display the historical channel data of the I/O module in trend style. (Web page operation)
- Add the "Download CSV file" function to download the csv file of a specific power meter on a specified date. (Web page operation)
- Add the "Download CSV file" function to download the csv file of the User-Defined Data Logger on a specified date. (Web page operation)

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- Support DHCP Network connection setting, and display the MAC address. (Web page operation)
- The original Data Logger files retained operation is replaced by the new mechanism as below.

  When the free space on the micro SD card is not enough for recording one day's data of the Power Data Logger and the User-Defined Data Logger; the PMC/PMD willdelete a part of old log files in order to release enough space for recording the new data.

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