StruxureWare Power Monitoring Expert 8.2

The StruxureWare™ Power Monitoring Expert system provides power monitoring and management for an enterprise. With this system you can measure, manage, and improve your energy availability, reliability, and efficiency.

The 8.2 release of Power Monitoring Expert is a minor, continuous engineering release with a focus on incremental improvements. It is highly recommended to upgrade existing Power Monitoring Expert systems to version 8.2.

Highlights of this release

- Significant cybersecurity improvements

- Simplification of distributed Power Monitoring Expert installations

- User Experience improvements in the Web applications

- Support for the new Masterpact MTZ air circuit breaker from Schneider Electric

Details on what's new in this release

Operating Environment

In addition to the previously supported operating systems and SQL Server versions, Power Monitoring Expert 8.2 also supports:

- Windows Server 2016

- SQL Server 2016 SP1

SQL Server Resale

With the release of Power Monitoring Expert 8.2, the following SQL Server versions will be available for purchase from Schneider Electric:

- SQL Server 2012 Standard Edition SP1 (English)

- SQL Server 2016 Standard Edition (English)

SQL Server 2014 Standard Edition will no longer be available from Schneider Electric. However, it is still supported in Power Monitoring Expert 8.2.

As standards, specifications, and designs change from time to time, please ask for confirmation of the information given in this publication.

Schneider Electric

Localization

All language versions supported in Power Monitoring Expert 8.1 will still be available in 8.2 with the exception of Japanese. Power Monitoring Expert 8.2 does not support Japanese.

Cybersecurity

This release includes significant improvements in cybersecurity. Power Monitoring Expert now uses the latest, state-of-the-art encryption technology. Workflows for account and password management have been improved, and SQL Server and Windows account passwords can be set by the user when Power Monitoring Expert is installed.

Distributed Installation

The installation of distributed systems has been significantly simplified by removing the need to run the Power Monitoring Expert installer on the database server. No Power Monitoring Expert files or components are installed on the database server.

Web Applications

This release provides a more consistent look and feel for the Web Applications with many changes to workflows. The user experience across the different applications is now more intuitive and consistent. In addition, the Web Applications now provide:

- More customization options
- Direct URL access to individual dashboards
- CSV data export for a number of gadget types
- Configurable layouts for the Trends application
- Integration of the Alarm Configuration, Hierarchy Manager, and Rate Editor tools
- Improved handling of disabled sources in the Alarms application

Reporting

Incremental improvements in the Reports application include:

- Simplified report customization
- Power Quality Report enhancements
- A name filter for the Report Library
- Secure email support for report subscriptions
- Improved report subscription user interface (UI)

Power Monitoring Expert Configuration Manager Tool

The Configuration Manager Tool has been updated to support this latest release of Power Monitoring Expert. The supported side-by-side upgrades and migrations are now:

Source	Target	Language
ION E 6.0.1 Standalone	PME 8.2 Standalone	English, Spanish
ION E 6.0.1 Distributed DB	PME 8.2 Distributed DB	English, Spanish
PME 7.2.2 Standalone	PME 8.2 Standalone	English, Spanish
PME 8.2 Standalone	PME 8.2 Standalone	English, Spanish

Device Support

Power Monitoring Expert 8.2 includes new device drivers for the following devices:

- Masterpact MTZ

- Enersure BCPM 2.0

- PM2000 Series

- Enersure Enkapsis

- WT4000 Series

- EM4300 Series

A number of existing device drivers have been updated to support the latest device firmware versions. Power Monitoring Expert 8.2 also provides support for the ION8800 with EN50160:2010 and compatibility with the PMG RMICAN frameworks.

Miscellaneous

Here is a selected list of miscellaneous items that are new or have changed in Power Monitoring Expert 8.2:

- Ecostruxure Web Services now uses a special credential set for authentication.

- Ethernet connected devices can now be defined using host names as an alternative to IP addresses in the Management Console.

- Power Monitoring Expert now includes a new, optional feature for the R&D team to collect basic usage statistics on Power Monitoring Expert with the intent of focusing our development efforts on high value areas.

- Miscellaneous Bug fixes to improve user experience, performance, and functionality.

For a detailed list of changes in this release of Power Monitoring Expert, see the Release Notes that will be available at the time of release on the Power Monitoring Expert Exchange Community.