

StruxureWare Power Monitoring Expert 7.2.2 Data Center Edition

StruxureWare™ Power Monitoring Expert 7.2.2 Data Center Edition is the recommended upgrade for Power Monitoring Expert 7.2 and 7.2.1 Data Center Editions. The Power Monitoring Expert system provides power monitoring and management for an enterprise of one or many facilities. With this system, you can measure, manage, and improve your energy availability, reliability, and efficiency.

Data Center Edition differences

The differences between Power Monitoring Expert 7.2.1 Data Center Edition and Power Monitoring Expert 7.2.2 Data Center Edition include:

- An updated version of Event Notification Module (ENM) (version 7.0 updated to version 8.2)
- Updates to support the changes in the Power Monitoring Expert base platform software (no changes to only Data Center Edition-specific features).

There is no service pack available that includes only the changes between versions 7.2.1 and 7.2.2. Instead, apply the upgrade by running the full installer for Power Monitoring Expert 7.2.2 Data Center Edition against installations for previous versions. Check the Upgrade Matrix for supported upgrade paths.

Note

You must use the full ISO image of Power Monitoring Expert Data Center Edition in order to upgrade from Power Monitoring Expert 7.2.1 Data Center Edition to Power Monitoring Expert 7.2.2 Data Center Edition.

This document includes the following topics, which summarize what's new in version 7.2.2:

- Related software
- Installing the software
- Scheduled jobs in Windows Tasks Scheduler
- The Web-based Alarms application
- Hierarchy Manager
- Integrated devices
- Event Notification Module upgrade to version 8.2
- Upgrade support
- Product documentation

Related Software

Supported Operating System and SQL Server Combinations

Windows Server 2012 R2 Standard and Enterprise versions, and SQL Server 2012 Standard, and Enterprise editions are now supported.

The following tables summarize the combinations of 32-bit and 64-bit versions of Microsoft Windows operating systems and SQL Server editions that support Power Monitoring Expert Data Center Edition installations. Install a supported edition of SQL Server before installing Power Monitoring Expert Data Center Edition software. See the *StruxureWare Power Monitoring Expert 7.2 Data Center Edition Installation Guide* for information about installing the product.

Note

Power Monitoring Expert Data Center Edition cannot be installed on domain controllers. If Power Monitoring Expert Data Center Edition is installed on a server that is subsequently changed to a domain controller, the software ceases to function correctly.

32-bit support

32-bit Windows Operating System	32-bit Microsoft SQL Server Editions	Standalone Server	Distributed Database Server
Windows Server 2008 Standard/Enterprise, SP2	SQL Server 2008 Standard/Enterprise, SP3	Yes	Yes

64-bit support

64-bit Windows Operating System	64-bit Microsoft SQL Server Editions	Standalone Server	Distributed Database Server
Windows Server 2008 Standard/Enterprise, SP2 and R2 SP1	SQL Server 2008 Standard/Enterprise, SP2	Yes	Yes
Windows Server 2012 / R2 Standard/Enterprise	SQL Server 2012 Standard/Enterprise, SP1	Yes	Yes

Operating systems and SQL Server editions not included in the summary tables are not supported for Power Monitoring Expert Data Center Edition software.

About localized versions

Localized versions of the software are supported as follows:

- The English version of Power Monitoring Expert Data Center Edition software is expected to work with non-English operating systems and SQL Server versions. For example, an English version of the product can be installed on an operating system with a regional setting of German with a German version of SQL Server.

Virtual environments

Power Monitoring Expert 7.2.2 Data Center Edition can be installed in virtual environments configured with one of the supported Windows operating system and SQL Server edition combinations summarized in the tables above. You must copy the contents of the Power Monitoring Expert 7.2.2 Data Center Edition DVD to a local drive in your virtual environment and double-click `MainSetup.exe` to start the installation process.

Note

Make sure that folder name does not contain any spaces.

The FLEXnet License Administrator software, which is used to manage Power Monitoring Expert Data Center Edition licenses, supports virtual machine licensing for the following hypervisors:

- VMware ESX 4.1/ESXi 4.1 and 5.0
- Microsoft Hyper-V
- Citrix XenServer 6.0
- VMware Workstation 8

Client computers

Engineering Client computers must run Windows 7 or one of the Windows operating systems summarized in the tables above.

If a web browser is being used to access the software, the computer requires network connectivity to a Power Monitoring Expert Data Center Edition primary server to access the Web Applications component of Power Monitoring Expert Data Center Edition. The browsers that can be used on Web Client computers are listed below.

Other software used by the product

Only the software referenced in the following list is officially supported for Power Monitoring Expert Data Center Edition software:

- Microsoft Excel 2007 or 2010, which is required for reports exported in Excel format in the Web-based Reports, or for the Excel-based Reporter application.
- The following browsers are supported for accessing the software via a web client:
 - Microsoft Internet Explorer versions 9 or 10
 - Google Chrome version 20 or later
 - Apple Safari version 5 or later on Apple Mac computers
- Browsers supported on tablets to access the Diagrams application only:
 - Apple Safari on iPad tablets using iOS 5 or iOS 6.1 operating systems
 - Browsers on tables using Android operating systems JB 4.1 or ICS 4.0
- Microsoft Silverlight version 4 or later

Installing the software

The following table summarizes the installation options for Power Monitoring Expert Data Center Edition:

Installation Media	New Installation of Power Monitoring Expert 7.2.2 Data Center Edition	Upgrade from Power Monitoring Expert 7.2 or 7.2.1 Data Center Edition
Physical DVD or downloadable ISO	Yes	Yes
Downloadable exe	No	No

The installation should start automatically when you insert the DVD into the DVD drive. If this does not occur, use Windows Explorer to navigate to the DVD drive and double-click `MainSetup.exe`.

For virtual machine environments or for servers that don't have a physical DVD drive, you can download the ISO image and virtually mount the image using software such as Virtual CloneDrive.

The Installer guides you through the new installation or the upgrade. For other upgrade considerations, see "Upgrade support" on page 6.

If you use Internet Explorer version 11, use it in the Compatibility View mode.

Scheduled jobs in Windows Task Scheduler

The scheduled job for archiving the ION_Data database has been added to Windows Task Scheduler. By default, the archive job is disabled. The following table summarizes the scheduled jobs now available in Task Scheduler:

Database	Schedule Job	Enable by Default	Default Time	Configurable
Application Modules (Application_Modules)	Backup	Yes	Daily at 1:30 AM	Yes
	Maintenance	Yes	Daily at 2:30 AM	Yes
	Trim	Yes	Daily at 2:30 AM	Yes
ION Database (ION_Data)	Archive	No	Annually at 1:00 AM on January 3rd	Yes
	Backup	Yes	Weekly at 12:00 AM every Friday	Yes
	Maintenance	Yes	Daily at 2:00 AM	Yes
	Site Notification (for SQL Express installations)	Yes	Daily at 3:00 AM	Yes
Network Configuration database (ION_Network)	Backup	Yes	Daily at 1:00 AM	Yes
	Maintenance	Yes	Daily at 7:30 AM	Yes
System Events database (ION)SystemLog)	Maintenance	Yes	Daily at 7:05 AM	Yes
	Trim	Yes	Daily at 4:00 AM	Yes

Web-based Alarms application

The following changes have been implemented in the browser-based Alarms application:

- Users with supervisor-level access can use the **Settings** dialog to:
 - Specify whether or not to display the Alarm Annunciator. The default setting is **Show the Alarm Annunciator**. If you choose not to display the Alarm Annunciator, all audible alarms are also disabled.
 - Configure when the Alarm Annunciator sound is triggered or disable the sound completely. The default setting is **On Low, Medium, or High Priority Alarms**.
 - Configure the alarm priority threshold definitions. The default settings are 192 to 255 for high-priority alarms, 128 to 191 for medium-priority alarms, and 64 to 127 for low-priority alarms. A priority of 63 or less is not identified as an alarm, but this value can also be changed.
- You can create customized alarm views and save them either for your own use, or share them with other users.

Hierarchy Manager

Hierarchy Manager now includes meter apportionment and virtual meter capability.

- Meter apportionment allows you to assign a percentage of a device to more than one tenant in an area.
- A virtual meter allows you to aggregate measurements from any combination of devices, apportioned meters, or other virtual meters available in Hierarchy Manager. The newly-created virtual meter can be assigned to a node in Hierarchy Manager just like any other device, and appears in dialogs that have a **Views** selection. You can even create an apportioned meter from a virtual meter.

See the Hierarchy Manager online help for more information.

Integrated devices

The following devices are now integrated in the product:

- Compact NSX control support
- EnerSure BCPM
- PM5100 Series
- PM5300 Series
- PM5350 IB/PB
- PM5500
- Sepam Series 60
- SER2408

Event Notification Module upgrade to version 8.2

Refer to the *Event Notification Module Version 8.2 Booklet*, provided with the product DVD, to learn more about changes to version 8.2.

Upgrade support

Upgrades from ION Enterprise™ 6.0 SP1, StruxureWare Power Monitoring 7.0 SP1, Power Monitoring Expert 7.2, and 7.2 SP1 are supported. In-place upgrades from these versions are valid if your current system uses one of the supported operating system and SQL Server combinations for Power Monitoring Expert 7.2.2 Data Center Edition. Upgrades from other operating system or SQL Server combinations require data migration.

When upgrading from previous product releases, be sure to take into account the amount of time and the large amount of hard drive space that may be required.

Contact Technical Support or your local Schneider Electric representative for advice regarding software upgrades.

Product documentation

The following Power Monitoring Expert 7.2.2 and the Power Monitoring Expert 7.2.2 Data Center Edition documentation is available at www.schneider-electric.com. Enter the document name or number into the search field and click Search:

Power Monitoring Expert 7.2.2

- *Before installing your software*, document number 7EN52-0293-00
- *Using the SQL Server 2012 DVD*, document number 7EN52-0294-00
- *Installation Guide*, document number 7EN02-0349-00
- *User Guide*, document number 7EN02-0348-00
- *System Design Guide*, document number 7EN02-0330-00
- *Event Notification Module Version 8.2 Booklet*

Online information available from within the product includes:

- *Power Monitoring Expert Help* – accessible from within installed components, such as Management Console, Vista, and Designer
- *Hierarchy Manager Help* – accessible in a browser-based help format from the Hierarchy Manager user interface
- *Web Applications Help* – accessible in a browser-based help format from the Web Applications user interface

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The following Power Monitoring Expert Data Center Edition documentation is available at <http://shoppingkiosk.schneider-electric.com/news.aspx>. Enter the document name or number into the search field and click Search:

- *Design Guide*
- *User Guide*, document number 7EN02-0334-00
- *Installation and Commissioning Guide*, document number 7EN02-0333-00