

Metasys System Software Purchase Options Product Bulletin

Building Technologies & Solutions

www.johnsoncontrols.com

2021-05-07

LIT-12011703

Release 11.0



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Overview

Johnson Controls® offers a variety of Metasys software packages scaled to meet the requirements of your Metasys sites.

In addition to software options for new Metasys installations, we also offer upgrade, migration, and site subscription software packages to continually improve and expand your existing Metasys sites. These various software offerings allow you to keep your Metasys site up-to-date, with the latest features, capabilities, and performance enhancements that increase the value of your investment.

The current software release version varies by Metasys product. See Table 6 in [Ordering information](#) for the current version of each product.

Metasys software offerings include the following:

- **New software:** New Metasys software is available for sites that do not have a previous version of the Metasys software installed.
- **Upgrade software:** Metasys upgrade software provides the latest software revision for the following products: Application and Data Servers/Extended Application and Data Servers (ADSs/ADXs), Open Application Servers (OASs), Metasys for Validated Environments (MVE) extended architecture software, Network Engines (Nx85s), and LonWorks Control Servers (LCS85s) on sites with previous versions of the Metasys software.
- **Migration software:** Metasys migration software enables you to migrate from a previous major release to a more current release, **and** increase or decrease the number of users on your existing Metasys site.
- **Feature software:** Metasys feature software includes add-on applications that offer additional functionality to the Metasys system. For Metasys UI, such add-ons include fault detection and fault triage. For the Open Application Server (OAS), add-ons include historical data, potential problem areas, and scheduled reports. Other applications are FIPS 140-2 compliance, Active Directory Federation Services (ADFS), and an API for monitoring and commanding the Metasys system.
- **Site subscription services:** A Metasys site subscription service provides automatic and economical Metasys upgrades for either one full year or three full years after purchase.
- **Copy software:** Copy software is a duplicate copy of software available for customers who want a DVD reproduction of the current Metasys software package to remain at the Metasys site.

Depending on the package, Metasys software options include Metasys server, network engine, user interface applications, system and controller configuration tools, database utilities, and reporting tools. Some Metasys software packages include Microsoft® SQL Server® database software. See Table 4 for specific product information.

What's new

The following products and product codes are introduced at Metasys Release 11.0:

- Active Directory Federation Services (ADFS): M4-ADFS-0
- Fault Detection: M4-FAULT-0
- Fault Triage: M4-TRIAGE-0
- FIPS 140-2 compliance: M4-FIPS-0
- OAS Minimum: M4-OASMIN-0
- Performance Verification Tool (PVT): TL-PVTMAX-0 and TL-PVTBASIC-0

The following products and product codes are no longer offered at Metasys Release 11.0:

- Advanced Graphics Application (AGA): MS-ADVGRF-x
- Graphic Generation Tool (GGT): MS-GGT-0

The Open Data Server (ODS) is available, but at Release 10.1 (MS-ODS25K-0 and MS-ODS25KSQL-0).

Metasys software definitions

Here are some definitions of terms to help you determine the most efficient and economical way to build, maintain, and enhance your Metasys sites.

Major release

A major Metasys software release includes significant new products, features, and enhancements. Major releases are indicated by a new major release number followed by a dot zero (x.0). For example, Release 10.0 and Release 11.0 are major releases. Upgrading Release 9.x or 10.x software to Release 11.0 is a **major upgrade**.

Minor release

A minor Metasys software release provides minor product and feature enhancements. Minor releases are indicated by a new minor release number following the associated major release number. For example, Release 10.1 is a minor release. Therefore, in this example, upgrading Release 10.0 software to Release 10.1 is a **minor upgrade**.

Required

A required third-party software application or component is necessary to install and operate a Metasys system. Required software may be included with your Metasys software purchase; some required software must be purchased separately. Examples of required software include supported Microsoft operating systems (OSs), Microsoft SQL Server database software, and third-party antivirus software.

Included

An included software application or component is part of your Metasys software purchase. Included software may be required or may be optional software applications, components, or tools that provide additional functions and features. Optional Metasys software components and tools such as the Metasys Export Utility (MEU), Energy Essentials, System Configuration Tool (SCT), and Controller Configuration Tool (CCT) are not included with ADS/ADX software. These products must be purchased and licensed separately. See Table 4 and Table 5 in [Ordering information](#) for more information on the software included in the Metasys offerings.

Purchased separately

Required or optional software that is not included with your Metasys software purchase and must be purchased from Johnson Controls or a third-party vendor. For example, Microsoft OSs and antivirus software must be purchased separately. Depending on the Metasys software package, SQL Server software may be included or may need to be purchased separately.

Software license

A Metasys software package and end-user license agreement is required for each ADS/ADX, ADS-Lite, ODS, OAS, MVE, NAE85, and LCS85 on a Metasys system site. Each computer or server package on a site must be licensed after a new installation and re-licensed after any major upgrade to the current release. Also, every ADS/ADX that is migrated must be re-licensed after the migration. Many other software applications and tools require licensing. See [Licensing information](#) for more details.

Metasys for Validated Environments

Metasys for Validated Environments (MVE) extended architecture is for facilities that require regulatory compliance for their environmental systems. MVE brings the flexibility and convenience of a web interface to your regulated facility. MVE is specifically designed to help customers address United States Food and Drug Administration (USFDA) Title 21, Code of Federal Regulation (CFR) Part 11 compliance.

MVE software does not include an ADX; you must order ADX software separately from MVE software. The MVE product codes are MS-MVE-0 (new) and MS-MVE-6 (upgrade). The user capacity of the MVE software is determined by the user capacity of the purchased ADX software. For example, if you purchase a 25-user ADX, ordering MS-MVE-0 supports a 25-user MVE site. For more MVE product information, refer to *Metasys for Validated Environments, Extended Architecture Catalog Page (LIT-1900466)*.

- **Important:** You can only install MVE software on a Metasys ADX, and the ADX and validated network engines on the Metasys network must be at the same release level as the MVE software.

Metasys software package details

See the various tables under [Ordering information](#) for software package descriptions, included and required software, number of users, number of objects, and product code numbers for ordering new, upgrade, migration, and site subscription Metasys software packages.

New, upgrade, migration, and site subscription software packages do not include the required Microsoft operating systems. Some Metasys software packages do not include the required SQL Server database software. Antivirus software is not included. Required or optional third-party applications must be purchased separately. The required Metasys hardware (computers, servers, engines, and controllers) is not included with Metasys software packages.

Upgrading or migrating your Metasys system may require upgrading third-party software such as the Microsoft OS and the SQL Server database software. All third-party upgrades must be purchased separately (except for the Metasys software packages that include SQL Server).

Only Johnson Controls technicians or Johnson Controls authorized representatives may install Metasys software. Metasys software prices may not include the labor to install the software.

New Metasys software

New software is current-release Metasys software packages for original (new project) installation at sites that do not have a previous release of Metasys software installed. New Metasys software packages are identified by a **-0** suffix on the product code number.

① **Note:** ADS/ADX and ADS-Lite software packages are sold per computer or server, not per site. You must license new Metasys software after installation. For information on licensing, see [Licensing information](#).

Metasys upgrade software

Upgrade software is current-release Metasys software for upgrading products, such as the ADS/ADX, OAS, MVE, NAE85, and LCS85, at sites that have a previous major release of the Metasys software already installed (for example, upgrading Release 10.x or earlier software to Release 11.0). Metasys upgrade software packages are identified by a **-6** suffix on the product code number.

Metasys upgrade software packages may also include upgrades to the current supported Microsoft SQL Server software (for example, upgrading an existing ADX10 to an ADX10SQL).

For major upgrades (for example, upgrading Release 10.x or earlier to Release 11.0), you must purchase a current Metasys upgrade software package.

For minor upgrades (for example, upgrading Release 10.0 to Release 10.1), your Johnson Controls representative can upgrade the site.

① **Note:** Typically, there is no cost for ADS/ADX software for minor upgrades. However, not all minor release software packages are at no cost. For more information, contact your local Johnson Controls representative.

For a nominal cost, you can also purchase a DVD copy of the upgrade software for your Metasys site. See [Metasys copy software](#) for details.

To determine if you must re-license your upgrade software, see [Licensing information](#).

Metasys migration software

Migration software is current Metasys software packages for upgrading an existing ADS or ADX to the current release version **and** migrating the ADS or ADX to a different number of users. For examples, see Table 1. Metasys migration software packages are identified by a **-8** suffix on the product code number. See Table 6 for software migration code number examples.

Table 1: Migration options from Release 10.x or earlier to Release 11.0

From Release 10.x or earlier	To Release 11.0
5-User ADS	10-User ADX
	25-User ADX
	50-User ADX
	100-User ADX
10-User ADX	5-User ADS
	25-User ADX
	50-User ADX
	100-User ADX
25-User ADX	5-User ADS
	10-User ADX
	50-User ADX
	100-User ADX

Table 1: Migration options from Release 10.x or earlier to Release 11.0

From Release 10.x or earlier	To Release 11.0
50-User ADX	5-User ADS
	10-User ADX
	25-User ADX
	100-User ADX

All software migrations require **re-licensing** after the migration. The software license reflects the number of users and the object count for which the software is licensed. For more information on licensing, see [Licensing information](#).

The following table lists the history of Metasys servers and various tools with their release dates and release numbers, from year 2013 to the present.

Table 2: History of Metasys Software and Tool releases

Release Date	Metasys Server ¹	Metasys UI ²	Metasys Launcher	SCT/ SCT Pro ³	CCT	NAE Update Tool
January 2013	6.0	N/A	1.3	6.0	10.0	6.0
June 2013	6.1	N/A	1.3	6.1	10.0	6.1
February 2014	6.5	N/A	1.4	6.5	10.0	6.5
October 2015	7.0	1.5 or 1.5.1	1.4	7.0	10.1	7.0
December 2015	7.0	1.5 or 1.5.1	1.4	10.0	10.1	7.0
September 2016	8.0	2.0	1.5	11.0	10.2	11.0
February 2017	8.1	2.1	1.6	11.1	10.2	11.1
August 2017	9.0	3.0	1.7	12.0	10.3	12.0
December 2018	10.0	4.0	1.7	13.0	13.0	13.0
September 2019	10.1	4.1	1.7	13.2	13.1	13.2
October 2020	11.0	5.0	2.0	14.0	14.0	14.0

1 Includes ADS, ADX, and ADS-Lite.

2 Metasys UI is part of the Metasys server installation at Release 8.0 and later.

3 SCT Pro is installed with SCT Release 13.0 and later.

Site subscription services

Site subscription services ensure that the subscriber automatically receives every major and minor Metasys release upgrade for either 1 year or 3 years after purchasing the site subscription. The upgrade software on media or disks is no longer sent automatically to the customer when the next release is available. Software is now available for download and licensing through the [License Portal](#). For customer sites that do not have Internet access, an offline method for obtaining a license is available. For details, refer to *Software Manager Help (LIT-12012389)*.

A newly placed 1-year subscription service order is active for 1 year from the day that the subscriber is billed for the service. For a newly placed 3-year subscription service order, the order is active for 3 years from the day that the subscriber is billed. However, for either level of service, the subscriber does not receive any software until the next Metasys release (major or minor) is available for shipping. When the next release is available, subscription service orders are automatically processed. Metasys site subscription software packages are identified by an **-SCS** (1 year) or **-SC3** (3 year) suffix on the product code number.

When ordering a site subscription service, simply identify the Metasys software package or packages on the site for which you want to purchase a subscription service. If you purchase a site subscription for the Metasys Server software, you also receive one copy of the latest versions of the following products:

- Network Engine images
- Metasys Export Utility
- SCT
- CCT
- Field controller package files

When you purchase a site subscription, your Metasys site must be at the current major release level. For example, if you have ADS/ADX Release 10.x software and the currently available release for an ADS/ADX is Release 11.x, you must purchase an upgrade to Release 11.0 before you can purchase a site subscription.

For an MVE site that has a subscription service, you must order the appropriate ADX site subscription as well as the MVE site subscription. Ordering just the MVE subscription does not include the ADX.

Site subscription services are not automatically renewed. You must renew your site subscription at the end of the site subscription agreement. Metasys site subscription services have a no-refund policy.

Configuration tool use

The Metasys Configuration Tools require licensing before use. These tools include the following:

- System Configuration Tool Release 14.0
- Controller Configuration Tool Release 14.0
- Metasys Field Controller Package
- Johnson Controls Sensor/Actuator (SA) Bus Device Package

For licensing information, refer to *Software Manager Help (LIT-12012389)* and the specific product installation guides for these tools.

Metasys copy software

For a nominal cost, you can purchase a DVD reproduction of the Metasys software package installed on your Metasys site. These copies contain unlicensed software that can be licensed after installation with the Software Manager. Copy software is available only for the current Metasys release; you cannot order copy software for any previous Metasys releases. Metasys copy software packages are identified by an **MS-COPY-** prefix on the product code numbers.

Copy software is the only method to obtain DVDs of Metasys software packages. All Metasys software is available for download and licensing through online distribution on the [License Portal](#), including network engine images.

Licensing information

The following Metasys software and tools require licensing with the Software Manager and the online licensing portal:

- Metasys Server: ADS, ADX, ADS-Lite, OAS, ODS
- Metasys software engine: NAE85, LCS85
- Metasys Export Utility
- Energy Essentials
- SCT
- CCT with Generic SA Bus Device Package
- Metasys Field Controller Package (FCP) files
- Monitoring and Commanding API
- Active Directory Federation Services (ADFS) for Metasys Server
- Metasys Fault Detection
- Metasys Fault Triage (requires licensed Metasys Fault Detection)
- Metasys OAS Potential Problem Areas Add-on
- Metasys OAS Historical Data Add-on
- Metasys OAS Scheduled Reports Add-on
- Metasys OAS Add-on for 2 Engines

The Metasys applications and tools listed above do not function until licensed. Licensing is required after a new installation and after a major upgrade or migration. However, when you upgrade an application to a minor release, re-licensing is **not** required; you can continue using the same license. MVE software is the only exception; it requires re-licensing for both major **and** minor releases.

Software licensing

The Software Manager and its associated [License Portal](#) are used to license Metasys software products. For more information, refer to *Software Manager Help (LIT-12012389)* and the specific Metasys software product installation guides.

ADS/ADX concurrent users

Use the following table to help you determine which ADS/ADX user product that you need to order. The table provides examples of the total number of supported users who can be simultaneously logged on the SMP and Metasys UI.

Table 3: Examples of ADS/ADX/ADS-Lite concurrent users

ADS/ADX type	Examples of ADS/ADX concurrent users	
	SMP UI	Metasys UI
5-user ADS/ADS-Lite	0	5
	2	3
	5	0

Table 3: Examples of ADS/ADX/ADS-Lite concurrent users

ADS/ADX type	Examples of ADS/ADX concurrent users	
	SMP UI	Metasys UI
10-user ADX	0	25
	5	20
	8	17
	10	15
25-user ADX	0	25
	10	15
	20	5
	25	0
50-user ADX	0	50
	10	40
	25	25
	50	0
100-user ADX	5	50
	10	50
	25	50
	50	50
	75	25
	100	0

For example, as shown in Table 3, with a 5-user ADS or ADS-Lite, 5 Metasys UI users are supported if no SMP users are logged in, or 3 Metasys UI users are supported if 2 SMP users are logged in. Similarly, with a 50-user ADX, 50 Metasys UI users are supported if no SMP users are logged in, or 40 Metasys UI users are supported if 10 SMP users are logged in. The only Metasys UI user restriction applies to a 100-user ADX: no more than 50 Metasys UI users are supported, regardless of the number of SMP users.

Ordering information

The following tables provide product codes for ordering new software, upgrades, migrations, and site subscriptions.

- Table 4: provides Metasys software package details, including number of users and required SQL Server database software. The ADS and ADS-Lite software requires a desktop computer platform, and the ADX and NAE85 software requires a full server platform.
- Table 5: lists the included or enabled software for the base software packages.
- Table 6: shows the new, upgrade, migration, and site subscription service packages available at the current release.

The base product codes described in Table 4 are not orderable software packages. See Table 6 and Table 7 for the complete product code numbers for the Metasys software packages that are available at Release 11.0. For more information regarding software license requirements, refer to the *Microsoft® Windows® Operating System and SQL Server Software License Requirements* appendix of the *Network and IT Guidance Technical Bulletin (LIT-12011279)*.

Table 4: Metasys software package details - Part 1

Base Product Code (Without Product Code Suffix)	Maximum Number of Users		SQL Server Database Software Requirements		
	SMP UI ¹	Metasys UI ¹	SQL Server Express Software Required ² (Included) ³	Full SQL Server Database Software Required ⁴ (Purchased Separately)	Full SQL Server Database Software Required ⁴ (Included)
MS-ADS05U ²	5	5	X		
MS-ADX10U ⁴	10	25		X	
MS-ADX10SQL ⁴	10	25			X
MS-ADX25U ⁴	25	25		X	
MS-ADX25SQL ⁴	25	25			X
MS-ADX50U ⁴	50	50		X	
MS-ADX50SQL2 ⁴	50	50			X
MS-ADX50SQL ⁴	50	50			X
MS-ADX100U ⁴	100	50		X	
MS-ADX100SQL2 ⁴	100	50			X
MS-ADSLA5U ²	5	5	X		
MS-ADSLE5U ²	5	5	X		
M4-OASSTD	5	5	X		
M4-OASMIN	5	5	X		
MS-ODS25K (Release 10.1 only)	5	N/A		X	
MS-ODS25KSQL (Release 10.1 only)	5	N/A			X
MS-NXE85 ⁴	10	N/A		X	
MS-LCS85 ⁴	10	N/A		X	

1 This number is a maximum number of users logged into the SMP UI or the Metasys UI, and **is not the total concurrent users**. For more information on supported concurrent users for the ADS/ADX, see [ADS/ADX concurrent users](#).

2 For operation on a desktop computer platform only.

3 Includes SQL Server 2017 Express with CU17 software, which is installed for you during the installation of the Metasys Server software.

4 For operation on a full server platform only.

Table 5: Metasys software package details - Part 2

Base Product Code (Without Product Code Suffix)	Metasys Software Included with Base Product			Metasys Software Purchased Separately			
	Metasys Database Manager	Advanced Reporting	Network Engine Images Included for New, Upgrades, Migrations, and Subscriptions	SCT, CCT	Metasys Export Utility (Optional)	Energy Essentials (Optional)	Fault Detection and Fault Triage (Optional)
MS-ADS05U	X		X	X	X		X
MS-ADX10U	X	X	X	X	X	X	X
MS-ADX10SQL	X	X	X	X	X	X	X
MS-ADX25U	X	X	X	X	X	X	X
MS-ADX25SQL	X	X	X	X	X	X	X
MS-ADX50U	X	X	X	X	X	X	X

Table 5: Metasys software package details - Part 2

Base Product Code (Without Product Code Suffix)	Metasys Software Included with Base Product			Metasys Software Purchased Separately			
	Metasys Database Manager	Advanced Reporting	Network Engine Images Included for New, Upgrades, Migrations, and Subscriptions	SCT, CCT	Metasys Export Utility (Optional)	Energy Essentials (Optional)	Fault Detection and Fault Triage (Optional)
MS-ADX50SQL2	X	X	X	X	X	X	X
MS-ADX50SQL	X	X	X	X	X	X	X
MS-ADX100U	X	X	X	X	X	X	X
MS-ADX100SQL2	X	X	X	X	X	X	X
MS-ADSLA5U	X		X	X	X		X
MS-ADSLE5U	X		X	X	X		X
M4-OASSTD	X		X	X			X
M4-OASMIN	X			X			X
MS-ODS25K (Release 10.1 only)	X		X	X	X		
MS-ODS25KSQL (Release 10.1 only)	X		X	X	X		
MS-NXE85				X			
MS-LCS85				X			
MS-MULTENG			X				

Table 6 provides the product code numbers for ordering the new, upgrade, migration, and site subscription Metasys software packages that are available at Release 11.0. (See Table 4 for more information regarding the software that is included in the Metasys software packages.)

Table 6: Metasys software packages and product code numbers

Base Product Code	Product Description	Current Release Version	New Software Product Code Number (-0=current release or -0P=previous release [9.0])	Upgrade Software Product Code Number (-6=current release or -6P=previous release [9.0])	Migration Software Product Code Number	Site Subscription Service Product Code Number SCS=1 year SC3=3 years
MS-ADS05U ¹	Application and Data Server with SQL Server Express 2017 CU 17 included (5 users)	Release 11.0	MS-ADS05U-0 MS-ADS05U-0P	MS-ADS05U-6 MS-ADS05U-6P	MS-ADS05U-8	MS-ADS05U-SCS ² MS-ADS05U-SC3 ² MS-ADSONLY-SCS ^{2,3} MS-ADSONLY-SC3 ^{2,3}
MS-ADX10U ¹	Extended Application and Data Server (10 users)	Release 11.0	MS-ADX10U-0 MS-ADX10U-0P	MS-ADX10U-6 MS-ADX10U-6P	MS-ADX10U-8	MS-ADX10U-SCS ² MS-ADX10U-SC3 ² MS-ADXONLY-SCS ^{2,3} MS-ADXONLY-SC3 ^{2,3}
MS-ADX10SQL ¹	Extended Application and Data Server with SQL Server 2017 software included ⁴ (10 users)	Release 11.0	MS-ADX10SQL-0	MS-ADX10SQL-6	MS-ADX10SQL-8	
MS-ADX25U ¹	Extended Application and Data Server (25 users)	Release 11.0	MS-ADX25U-0 MS-ADX25U-0P	MS-ADX25U-6 MS-ADX25U-6P	MS-ADX25U-8	MS-ADX25U-SCS ² MS-ADX25U-SC3 ² MS-ADX25ONL-SCS ^{2,3} MS-ADX25ONL-SC3 ^{2,3}
MS-ADX25SQL ¹	Extended Application and Data Server with SQL Server 2017 software included ⁴ (25 users)	Release 11.0	MS-ADX25SQL-0	MS-ADX25SQL-6	MS-ADX25SQL-8	
MS-ADX50U ¹	Extended Application and Data Server (50 users)	Release 11.0	MS-ADX50U-0	MS-ADX50U-6	MS-ADX50U-8	MS-ADX50U-SCS ² MS-ADX50U-SC3 ² MS-ADX50ONL-SCS ^{2,3} MS-ADX50ONL-SC3 ^{2,3}

Table 6: Metasys software packages and product code numbers

Base Product Code	Product Description	Current Release Version	New Software Product Code Number (-0=current release or -0P=previous release [9.0])	Upgrade Software Product Code Number (-6=current release or -6P=previous release [9.0])	Migration Software Product Code Number	Site Subscription Service Product Code Number SCS=1 year SC3=3 years
MS-ADX50SQL ¹	Extended Application and Data Server with SQL Server 2017 software included; ⁴ for use on server with single processor/4 cores (50 users)	Release 11.0	MS-ADX50SQL-0	MS-ADX50SQL-6	MS-ADX50SQL-8	
MS-ADX50SQL2 ¹	Extended Application and Data Server with SQL Server 2017 software license included; ⁴ for use on server with dual processors/8 cores ⁵ (50 users)	Release 11.0	MS-ADX50SQL2-0	MS-ADX50SQL2-6	MS-ADX50SQL2-8	
MS-ADX100U ¹	Extended Application and Data Server (100 users)	Release 11.0	MS-ADX100U-0	MS-ADX100U-6	MS-ADX100U-8	MS-ADX100U-SCS ² MS-ADX100U-SC3 ² MS-ADX100ON-SCS ^{2,3} MS-ADX100ON-SC3 ^{2,3}
MS-ADX100SQL2 ¹	Extended Application and Data Server with SQL Server 2017 software license included; ⁴ for use on server with dual processors/8 cores ⁵ (100 users)	Release 11.0	MS-ADX100SQL2-0	MS-ADX100SQL2-6	MS-ADX100SQL2-8	
MS-ADSLE5U ⁶	Application and Data Lite-E Server (5 users)	Release 11.0	MS-ADSLE5U-0	MS-ADSLE5U-6	MS-ADS05U-8	
MS-ADSLA5U ⁷	Application and Data Lite-A Server (5 users)	Release 11.0	MS-ADSLA5U-0	MS-ADSLA5U-6		

Table 6: Metasys software packages and product code numbers

Base Product Code	Product Description	Current Release Version	New Software Product Code Number (-0=current release or -0P=previous release [9.0])	Upgrade Software Product Code Number (-6=current release or -6P=previous release [9.0])	Migration Software Product Code Number	Site Subscription Service Product Code Number SCS=1 year SC3=3 years
M4-OASSTD	Open Application Server for use on a desktop computer or full server platform; 25,000 objects; support for two engines (5 users)	Release 11.0	M4-OASSTD-0	M4-OASSTD-6	M4-OASSTD-8	M4-OASSTD-SCS ⁸ M4-OASSTD-SC3 ⁸
M4-OASMIN	Open Application Server for use on a desktop computer or full server platform; 25,000 objects; no engine support (5 users)	Release 11.0	M4-OASMIN-0	M4-OASMIN-6		
MS-ODS25K ¹ (Release 10.1 only)	Open Data Server for use on a desktop computer or full server platform; 25,000 objects (5 users)	Release 10.1	MS-ODS25K-0	MS-ODS25K-6		MS-ODS25K-SCS ² MS-ODS25K-SC3 ²
MS-ODS25KSQL ¹ (Release 10.1 only)	Open Data Server with SQL Server 2014 SP3 software license included; for use on a full server platform; 25,000 objects (5 users)	Release 10.1	MS-ODS25KSQL-0	MS-ODS25KSQL-6		
M4-ADFS	Active Directory Federation Services (ADFS) license for use on a Metasys Server, NAE85, or LCS85 (5 users)	Release 11.0	M4-ADFS-0			
MS-MVE ⁹	Metasys for Validated Environments for use on a full server platform (10 to 100 users, matching installed ADX)	Release 11.0	MS-MVE-0	MS-MVE-6		MS-MVE-SCS MS-MVE-SC3

Table 6: Metasys software packages and product code numbers

Base Product Code	Product Description	Current Release Version	New Software Product Code Number (-0=current release or -0P=previous release [9.0])	Upgrade Software Product Code Number (-6=current release or -6P=previous release [9.0])	Migration Software Product Code Number	Site Subscription Service Product Code Number SCS=1 year SC3=3 years
MS-MULTENGSW	Network Engine Images for all SNEs, SNCs, NAEs, NIEs, and NCEs on a site (does not include Nx85 software)	Release 9.0.8 or 11.0 ¹⁰		MS-MULTENGSW-6		
MS-MULTENG	Network Engine Image software subscription for all SNEs, SNCs, NAEs, NIEs, and NCEs on a site (does not include Nx85 software)	Release 9.0.8 or 11.0 ¹⁰				MS-MULTENG-SCS MS-MULTENG-SC3
MS-NXE85SW ^{1,11}	Engine Image for one NAE85 (only). Standard MS-NXE85SW supports up to 10,000 points. NIE85 model no longer available. NIE85 functionality provided by NAE85 with VND integrations.	Release 11.0	MS-NXE85SW-0	MS-NXE85SW-6		MS-NXE85SW-SCS MS-NXE85SW-SC3
MS-LCS85SW ^{1,11,12}	Engine Image for one LCS85 (only). Ships with 10,000 licensed points.	Release 11.0	MS-LCS85SW-0	MS-LCS85SW-6		MS-LCS85SW-SCS MS-LCS85SW-SC3
MS-15KUPG	Increases point count by 15,000 additional points for NXE85 or LCS85. ¹³	Release 11.0	MS-15KUPG-0	MS-15KUPG-6		
M4-FAULT	Fault detection software for Metasys UI.	Release 11.0	M4-FAULT-0			
M4-TRIAGE	Fault triage software for Metasys UI. Requires M4-FAULT license.	Release 11.0	M4-TRIAGE-0			

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M4-ADFS ¹⁴	Software that adds Active Directory Federated Service capability to the ADS, ADS-Lite, ADX, or OAS.	Release 11.0	M4-ADFS-0			
M4-FIPS ¹⁴	Software that adds the Federal Information Processing Standard Publication 140-2, (FIPS PUB 140-2) compliance to the Metasys Server, NAE85, or LCS85.	Release 11.0	M4-FIPS-0			
MS-EXPORT ¹	Metasys Export Utility software	Release 11.0	MS-EXPORT-0	MS-EXPORT-6		
MS-EREPORT	Energy Essentials software	Release 11.0	MS-EREPORT-0	MS-EREPORT-6		
M4-OASHIST	OAS Historical Data Add-on	Release 11.0	M4-OASHIST-0			
M4-OASPPA	OAS Potential Problem Areas (PPA) Add-on	Release 11.0	M4-OASPPA-0			
M4-OASSCHRPT	OAS Scheduled Reports Add-on	Release 11.0	M4-OASSCHRPT-0			
M4-APIMOCMD	Monitoring and Commanding API	Release 11.0	M4-APIMOCMD-0			
TL-SCT ¹⁵	System Configuration Tool software	Release 14.0	TL-SCT-0	TL-SCT-6		
TL-CCT ¹⁵	Controller Configuration Tool software with Johnson Controls SA Bus Device Package	Release 14.0	TL-CCT-0	TL-CCT-6		
MS-FCP	Metasys Field Controller Package files	Release 3.0	MS-FCP-0			

1 This product license is sold per computer or server, not per site.

2 Subscription also includes one copy of each: MS-EXPORT, TL-SCT, TL-CCT, and MS-FCP.

3 ADS/ADX software subscription for one additional server that is not a site director.

4 The ADX software with SQL Server 2017 includes the 64-bit option only.

5 Dual Processors with 8 cores per Processor are **recommended** for ADX 50 user and 100 user software. For more information on CPU requirements, refer to the *ADS/ADX Commissioning Guide (LIT-1201645)*.

6 This product is only available in Europe and Latin America. No site subscription service is available.

7 This product is only available in Asia. No site subscription service is available.

- 8 Subscription also includes one copy of each: TL-SCT, TL-CCT, and MS-FCP.
- 9 The MVE software requires ADX software and validated network engines of the same release currently installed. MVE is not available for an ADS, ADS-Lite, or OAS.
- 10 Release 9.0.8 for small capacity engines (NAE35, NIE39, NAE45, NIE49, NCE25, NIE29) and Release 11.0 for SNE and SNC Series network engines and large capacity engines (NAE55-2, NAE55-3, NIE59-2, NIE59-3).
- 11 This product is licensed for 10,000 points. You must purchase the 15,000 object expansion upgrade (MS-15KUPG) to increase the point count by additional 15,000 (25,000 total). To receive license key, provide the following information: AOMS order number, serial number, and original order number for MS-NXE85SW-0 or MS-LCS85SW.
- 12 Gesytec® driver is included with the LCS software license.
- 13 Increases point count of MS-NXE85SW and MS-LCS85SW by 15,000 points for a total of 25,000 points. No physical disk is shipped. Contact Johnson Controls Product Sales in North America at 1-866-803-8199 or send an email to software.manufacturing@jci.com.
- 14 One FIPS license is required for each Metasys Server, Nx85, or LCS85 engine, but a FIPS license is **not** required for any hardware network engine, because these network engines are FIPS compliant by default. For example, if the job site has one ADX, one NAE85, and five SNEs, two FIPS licenses are required, one for the ADX and one for the NAE85.
- 15 This product is licensed per user.

Table 7 provides the product code numbers for ordering copy software at Release 11.0. As a prerequisite to ordering copies of Metasys software, you should have previously ordered the base product as listed in Table 4 and Table 5. These DVDs **do not** contain licensed software.

Table 7: Metasys copy software disks

Product Code Number	Product Description
MS-COPY-ADS05U	DVD reproduction of ADS05U product, unlicensed (does not include SQL Server; for 5 users)
MS-COPY-ADX10U	DVD reproduction of ADX10U product, unlicensed (does not include SQL Server; for 10 users)
MS-COPY-ADX25U	DVD reproduction of ADX25U product, unlicensed (does not include SQL Server; for 25 users)
MS-COPY-ADX50U	DVD reproduction of ADX50U product, unlicensed (does not include SQL Server; for 50 users)
MS-COPY-ADX100U	DVD reproduction of ADX100U product, unlicensed (does not include SQL Server; for 100 users)
MS-COPY-ADSL-A	DVD reproduction of ADSLA5U product, unlicensed (does not include SQL Server; for 5 users)
MS-COPY-ADSL-E	DVD reproduction of ADSLE5U product, unlicensed (does not include SQL Server; for 5 users)
M4-COPY-OAS	DVD reproduction of OAS product, unlicensed
MS-COPY-ODS25K	DVD reproduction of base ODS25K product (does not include SQL Server; for 5 users; 25,000 objects)
MS-COPY-MVE	DVD reproduction of MVE product, unlicensed; does not include ADX software.
MS-COPY-MULTENG	DVD reproduction of network engine images, unlicensed. Restricted to customers who ordered MS-MULTENG or an ADS/ADX product.
MS-COPY-NXE85SW	DVD reproduction of NAE85 product, unlicensed
MS-COPY-LCS85SW	DVD reproduction of LCS85 product, unlicensed
MS-COPY-EXPORT	DVD reproduction of Metasys Export Utility product, unlicensed
MS-COPY-EREPORT	DVD reproduction of Energy Essentials product, unlicensed
TL-COPY-SCT	DVD reproduction of SCT product, unlicensed
TL-COPY-CCT	DVD reproduction of CCT product, unlicensed

Table 8 provides the product code numbers for ordering the Windows® Embedded Standard 2009 (WES2009) operating system upgrade for MS-NxE55xx-1 network engines.

- ① **Note:** These product codes apply to MS-NxE55xx-1 engines only. They provide a paid license upgrade from the Windows XP® embedded operating system to the WES2009 embedded operating system. Also, note that Microsoft ended support for WES2009 on **January 8, 2019**.

Table 8: NXE55xx-x Series Windows Embedded Standard 2009 image files (DVD copy only)

Product Code Number	Applicable Releases	Description
MS-NXE5-1WES-10	Release 7.0.4 to Release 9.0	10 Licenses - operating system upgrade from Windows XP Embedded to WES2009
MS-NXE5-1WES-25	Release 7.0.4 to Release 9.0	25 Licenses - operating system upgrade from Windows XP Embedded to WES2009
MS-NXE5-1WES-50	Release 7.0.4 to Release 9.0	50 Licenses - operating system upgrade from Windows XP Embedded to WES2009
MS-NXE5-1SWO-6	Release 7.0.4 to Release 9.0	Software only (no licenses) - upgrade software for previously purchased software and license part numbers MS-NXE5-1WES-xx.

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Software terms

Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable end-user license, open-source software information, and other terms set forth at www.johnsoncontrols.com/techterms. Your use of this product constitutes an agreement to such terms.

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