

Table 2: Optional feature add-on licenses

Code number	Description
M4-APIMOCMD-0	License enabling the Monitoring and Commanding API for new sites.
M4-APIMOCMD-6	License enabling the upgrade of the Monitoring and Commanding API for existing sites. ⓘ Note: Existing sites upgrading to Release 12.0 and above must purchase this upgrade to continue using the API.
M4-FAULT-0	License enabling the Fault Detection feature for one Metasys server (ADS, ADS-Lite, ADX, or OAS series). ¹
M4-TRIAGE-0	License enabling Fault Triage feature for one Metasys server (ADS, ADS-Lite, ADX, or OAS series). ⓘ Note: M4-FAULT-0 is also required as a prerequisite.

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Code number	Description
M4-ADFS-0	License enabling Active Directory Federation Services (ADFS) feature for one Metasys server (ADS, ADS-Lite, ADX, or OAS series).
M4-FIPS-0	License enabling Federal Information Processing Standard 140-2 (FIPS 140-2 Level 1 compliance) for one Metasys server (ADS, ADS-Lite, ADX, or OAS series), or for one software network engine (NAE85 or LCS85 series).
MS-SMP-6	License enabling SMP for existing sites.
M4-BACNETSC-0	License enabling BACnet/SC

¹ The OAS must meet minimum requirements.

Technical specifications

The following table lists by operating system the Microsoft® SQL Server® Express software editions that have been fully qualified by Johnson Controls for the current release. You can select other combinations, but we recommend that you select from the following pairings.

Table 3: Recommended Operating System and SQL Server Express Combinations

Operating System	Database Software		
	SQL Server® 2022 Express (64-bit)	SQL Server® 2019 Express with CU18 (64-bit)	SQL Server® 2017 Express with CU31 (64-bit)
Windows® 11 Pro and Windows® 11 Enterprise versions 22H2, 21H2 (64-bit) General Availability Channel (GAC) Windows® 10 Pro and Windows 10 Enterprise Editions versions 21H2, 22H2 (64-bit).	x	x	x

Application and Data Server Lite system requirements

Table 4: Application and Data Server Lite system requirements

Recommended computer platform ¹	<p>Intel i7 processor latest version with at least 6 cores or better</p> <p>2 x 500 GB hard disk (RAID 1)² with 40 GB free space after installation of all prerequisite software and before installation of ADS-Lite software. Configure RAID 1 (mirroring) with disk write-caching turned on.</p> <p>Note: Prerequisite software includes the supported operating system, database software, .NET Framework, and any other software or service packs required for your ADS configuration.</p> <p>Graphics adapter (1 GB RAM, ATI® Technologies or NVIDIA® Corporation, 64-bit compatible [for 64-bit operating systems], Small Form Factor [SFF] if required)</p>
Required minimum memory ³	<p>16 GB RAM</p> <p>The VM host must have the 16 GB recommended RAM at all times. When you configure the VM, do not select the enable dynamic memory option.</p>
Supported operating systems and database software ⁴	<p>Windows® 11 Pro and Windows® 11 Enterprise versions 22H2, 21H2 (64-bit) General Availability Channel (GAC)</p> <p>Windows® 10 Pro and Windows 10 Enterprise Editions versions 21H2, 22H2 (64-bit).</p> <p>Windows® 10 Enterprise LTSC (1809, 21H2) (64-bit)</p> <p>Database software:</p> <ul style="list-style-type: none"> SQL Server® 2022 Express (64-bit) SQL Server® 2019 Express with CU18 (64-bit) <p>Note: SQL Server 2019 may cause the configuration service cache that builds stored procedures to time out. This causes the user's login to Metasys UI to fail. To resolve this issue, set SQL Server 2019 databases to run in 2017 compatibility mode. For more information, refer to docs.microsoft.com</p> <ul style="list-style-type: none"> SQL Server® 2017 Express with CU31 (64-bit)

Table 4: Application and Data Server Lite system requirements

<p>Supported operating systems for Metasys client devices</p>	<p>Windows® 11 Pro and Windows® 11 Enterprise versions 22H2, 21H2 (64-bit) General Availability Channel (GAC) Windows® 10 Pro and Windows 10 Enterprise Editions versions 21H2, 22H2 (64-bit). Apple® macOS® 11 Big Sur Apple® macOS® 12 Monterey Apple® macOS® Ventura 13.2</p> <p>① Notes:</p> <ul style="list-style-type: none"> • In OS X, you cannot view Graphics+ graphics in the Site Management Portal UI. • Apple operating systems are supported for Metasys client computers only.
<p>Supported web browser software for Metasys Site Management Portal client</p>	<p>Microsoft® Edge® version 101 or later Apple® Safari® 15.0 or later</p> <p>① Note: Other browsers, such as Mozilla® Firefox®, may also be used but are not fully supported. You use the web browser to download the Launcher application. After you install the Launcher application, you use the Launcher, not the web browser, to log in to the Site Management Portal (SMP) user interface.</p>
<p>Supported web browser software for Metasys UI clients</p>	<p>Microsoft® Edge® version 101 or later Google® Chrome™ version 101 or later</p> <p>① Note: Metasys UI does not support incognito mode. To exit incognito mode, click or tap the X icon of the browser window or tab and then open a new browser window or tab. For more information on incognito mode in Google Chrome, click here.</p> <p>Apple® Safari® 15.0 or later</p> <p>① Note: Metasys UI does not support private browsing. To exit private browsing, click or tap Private in the browser window.</p>
<p>Supported virtual environments</p>	<p>Microsoft Hyper-V™ VMware®</p>
<p>Supported user interfaces</p>	<p>Metasys UI Site Management Portal (SMP)</p> <p>① Note: SMP requires a license at Release 13.0. The license is available only to existing Metasys customers.</p> <p>① Note: If you licensed SMP at Release 12.0, you can use the same license after you upgrade to Release 13.0.</p>
<p>Additional software included with the ADS Lite software download</p>	<p>Microsoft .NET Framework 4.7.2 Microsoft .NET 6.0.16 Launcher Software RabbitMQ Server 3.8.16 Erlang OTP 23.2 (11.1.4)</p>

Table 4: Application and Data Server Lite system requirements

Optional hardware	Any network or local printer supported by the qualified Windows operating system
Optional software	CCT Software SCT Software Metasys Database Manager Metasys Export Utility

- 1 Our computer platform and memory recommendations are not meant to imply that older or slower machines are not usable. Refer to the *Network and IT Guidance Technical Bulletin (LIT-12011279)*¹ for more information regarding computer/server recommendations.
- 2 For best performance, use Serial Attached SCSI (SAS) hard drives, not Small Computer System Interface (SCSI) hard drives.
- 3 It is recommended to use RAM that the computer supports.
- 4 Refer to the *Network and IT Guidance Technical Bulletin (LIT-12011279)* for specific Microsoft Windows operating system settings that may be required for your Metasys system configuration.

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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