

SIEMENS



MK8000 MP4.60 **OPC server for subsystems**



Release Notes

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1 Introduction

DMS8000 software **MP4.60** is now available for MM8000, MK8000, and NK8000 products.

These release notes provide the characteristics of the new MK8000 software, including bug corrections and known issues. We recommend reading this document carefully before installing and using the software.

2 What's new in MP4.60 release

This section presents the enhancements provided in the new MK8000 software compared with previous MP4.50.

| Group | Description | System(s) |
|----------------------------|---|------------------|
| Configuration Enhancements | Support for automatic AlgoRex CS11 to Sinteso FS20 migration | MM8000, MK8000 |
| Configuration Enhancements | Composer format backward compatibility (Update and save) | MM8000, MK8000 |
| FS20 support | BACnet stack updating (BACstac BBS 4.0) | MM8000, MK8000 |
| FS20 support | Sinteso FS20 MP5.2 / Cerberus PRO FS720 IP 5.2 in MM8000/MK8000 | MM8000, MK8000 |
| FS20 support | Sinteso FS20 MP5.2 / Cerberus PRO FS720 IP 5.2 in NK823x | NK8000 |
| FS20 support | STT20 support in NK8000 Ethernet Ports and Modbus Gateway | NK8000 |
| NK8000 Logging | Support and management of NK823x SD card memory expansion | NK8000 |
| NK823x Support | Improvements of firewall functions for Sinteso and Cerberus PRO systems | NK8000 |
| NK823x Support | Improve diagnostics on NK823x | NK8000 |
| NK823x Support | Status information for logging, firewall and routing | NK8000 |
| NK823x Support | Option for enabling the PING command through NK823x Firewall | NK8000 |
| NK823x Support | NK823x MP4.60 backward compatibility with older DMS8000 installations | NK8000 |
| NK823x Support | Support of large Sinteso/Cerberus PRO/STT20 systems, up to 64 panels | NK8000 |
| Subsystem Enhancements | Support for XLS FireFinder on MK8000 | MK8000 |
| Subsystem Enhancements | Support for SPC5000/6000 MP3.4 | MM8000 MK8000 |
| Subsystem Enhancements | NK823x: Support of Firefinder XLS MP7 extensions; VESDA HLI, GLC card and devices | NK8000 |
| Subsystem Enhancements | Date & time synchronization of SPC control units | MM8000 MK8000 |
| Video | Support for Vectis HX HVR | MM8000 MK8000 |

2.1.1 Software License

New **MP4.60 License** is required.

2.2 Defect corrections

Various defects have been corrected in this software release. For a detailed report, please refer to the FS-DMS support site (see 6.1 at p. 12).

3 Subsystem compatibility summary

| Control units | Notes about version supported | Connectivity and configuration notes | Further info. in DMS8000 documentation |
|---|---|---|---|
| FS20 Sinteso™ | MP2.1 MP3.0; MP3.0 SR2; MP3.0 SR3 MP4.0 MP5.2 (available later in 2013 on the market.) | LAN; NK8000 LAN | Fire Connectivity Guide: A6V10359481 |
| FS720 Cerberus® PRO | IP2; IP3/IP3 SR2; IP3.0 SR3 IP4.0 IP5.2 (available later in 2013 on the market.) | LAN; NK8000 LAN | Fire Connectivity Guide: A6V10359481 |
| CS11 AlgoRex® EP5 and EP7 FC700A | EP7F Z1, Z2, Z3, Z4, Z5 | Direct link, Cerloop, and NK8000 | Fire Connectivity Guide: A6V10359481 |
| CS1115 Phase 4 FC330A Phase 4 | CISxx8.86 | Direct link, NK8000 | Fire Connectivity Guide: A6V10359481 |
| SIGMASYS C and M, D100 | SIGMASYS V3.5, V3.7, V3.8 D100 V40-2 PLAN D100 export tool V7.2 <i>Note: SIGMASYS versions higher than 3.8 and PLAN D100 versions higher than V7.2 will not be supported</i> | NK8000 | Fire Connectivity Guide: A6V10359481 |
| STT11 | | Cerloop and NK8000/Cerloop | Fire Connectivity Guide: A6V10359481 |
| STT2410 | | | Fire Connectivity Guide: A6V10359481 |
| STT20 | STT20 V2 (for CS11 Cerloop) | NK8000/Cerloop | Fire Connectivity Guide: A6V10359481 |
| | STT20 V2.02 (for FC20 BACnet) | LAN NK8000 | |
| XLS | V6.00.21, Zeus Tool V6.0 V7.00.2245, Zeus Tool V7.0 MP7.0 extended, Zeus V8/V9 | NK8000 | Fire Connectivity Guide: A6V10359481 |
| CZ10 | Eprom on communication board: CZAX22.41 (Cerban) CZAX23.41 (Cerloop) | Cerloop and NK8000 | Fire Connectivity Guide: A6V10359481 |
| CC60 | Eprom in U2 position: CCG001.05 (-19) | Cerloop and NK8000 | Fire Connectivity Guide: A6V10359481 |
| CZ12 | Eprom on communication board: BKB002.08 | Cerloop and NK8000 | Intrusion Connect.Guide: A6V10359489 |
| CS4 | Eprom on communication board: CK402 V6B – CKP003.01 (BCD) CK430 V9 – CKP041.01 (HEX) | Cerloop and NK8000 | Intrusion Connect.Guide: A6V10359489 |
| CS440 | Eprom on communication board: CK440 V9 – CKP041.01 (HEX) | Cerloop and NK8000 | Intrusion Connect.Guide: A6V10359489 |
| CS6 Guarato™ | MP3 MP3+ | NK8000 (NK822x only) | Intrusion Connect.Guide: A6V10359489 |
| SI410/420 Intrunet (no encryption) | Firmware F8-04, F8-05, F8-07, F09-22, and G1 (F9-22 or G1 is required for SMN42/43) | Direct link, NK8000, and IP connection | Intrusion Connect.Guide: A6V10359489 |
| SPC Intrunet | SPC5000 and 6000 MP2.1 SPC5000 and 6000 MP3.2.x where x= 4 or 5 SPC5000 and 6000 MP3.4 | LAN | Intrusion Connect.Guide: A6V10359489 |
| DMS7000 units including MM-IE2 | | Cerloop and NK8000 | Fire Connectivity Guide: A6V10359481 |
| SIPASS™ | → See MM8000 Release Notes | LAN | AC Connectivity Guide: A6V10062451 |
| SIMATRIX 164; 648; SYS, SIMATRIX NEO | | NK8000 | Video Connectivity Guide: A6V10062457 |
| SISTORE AX / MX / MX Pro / CX /SX DVR Vectis HX HVR (Vectis HX NVS software is not supported) | → See MM8000 Release Notes | LAN | Video Connectivity Guide: A6V10062457 |
| TELSCAN | | LAN | Video Connectivity Guide: A6V10062457 |
| Stand-alone IP cameras (TELSCAN protocol) | | LAN | Video Connectivity Guide: A6V10062457 |
| DF8000 I/O (DF8003 or CF9003 + F8020/8040/8045/8046) | | NK8000 | Network Connect.Guide: A6V10359485 DF8000 ICC: A6V10081388 |
| Philips/Burle CCTV (LTC 8x00) | | NK8000 | Video Connect.Guide: A6V10062457 |
| Generic DVR | External Viewer OPC | LAN | Video Connectivity Guide: A6V10062457 OPC Connectivity Guide: A6V10065253 Generic DVR Integr.Guide: A6V10331273 |

4 Known issues

This is a list of known problems, limitations and bugs in MP4.60.

4.1 Installation Issues

Pre-installed Windows

The use of pre-installed Windows systems including additional utilities and trial software is not recommended due to potential incompatibilities with MK8000.

A new and clean Windows installation is recommended to provide maximum reliability.

MS Windows Server 2008

In case Windows XP client stations are used, note that the Windows 2008 server environment must be set in Windows 2003 domain mode. Windows 2008 domain should only include Windows Vista/7 client stations.

MS SQL Server 2008 R2

MM8000 supports MS SQL Server 2008 R2 32-bit edition, even on Windows 64-bit platforms.

SQL Server Remote Authentication Security

The remote SQL Server authentication security cannot be used (mm8000dbmng server fails to create the SQL DB) and should not be selected in the Setup procedure and in the Engineering tool unless the password only includes digits and no other alphanumeric characters.

VMware

MM8000 has been tested with the following virtualisation software:

- VMware Server V1.04
- VMware Workstation V5.5
- ESX V3.5

Note that the ESX virtualisation environment **does not directly support USB ports** that are needed for the MM800 license key. As recommended by VMware, the external network device AnywhereUSB® can be used to connect the USB keys.

Troubles with the hardware key

If after installation the PAK manager cannot recognise the HW key, the sentinel drivers need to be installed manually. In this case launch the set-up located in:

<installation folder>\PAK Manager\Sentinel Drivers\SSD5411-32bit

and follow the instructions. When prompted, select the default installation.

Demo mode stops after 2 hours

Note that a system that starts in demo mode will stop operating after 2 hours even if a valid license is installed during demo operations. Always restart the server after installing the license so that to enable the licensed mode.

4.2 Configuration issues

Composer runs very slowly after installations on Windows 7

Composer response can be quite slow when it is used just after the package installation on Windows 7. Restarting the PC can solve this difficulty.

Clients not supporting DCOM

Clients not supporting DCOM require a script to be installed on the client PC to create the illusion that the OPC server resides on the OPC client, and permits them to communicate effectively. This is provided with the software and is detailed in MK8000 Installation, Configuration, and Commissioning guide (A6V10062407).

DMS7000 metafile for CZ10 and CZ12

If a subsequent import is required, then the control unit name should be the same original name or the import will not work.

Untested NK823x with Burle-Philips video matrix

Due to unavailability of hardware for testing, the support of Burle-Philips video matrix on NK823x could not be verified.

4.3 Runtime issues

Adobe Acrobat writer/distiller

Installing MK8000 typically affects the behaviour of the Adobe Acrobat writer/distiller, which may no longer work properly, even after uninstalling MK8000.

5 Documentation

Most documents were updated to include the new features added in this version. Note the document numbers related to the new STEP numbering.

Documentation resource information

The *DMS8000 Documentation Resource Information and Glossary Guide* assembles important information regarding documentation resources. This document contains the following:

- Comprehensive definitions of the target audiences for Siemens FS DMS documents
- Training program information including the Siemens intranet link
- A complete list of all available DMS8000 documents
- Instructions for how to obtain a document via the Siemens intranet using the Siemens Asset Portal
- A map of relevant documents for each target audience group
- Customer Support links & resources
- A glossary containing definitions of all terms and acronyms used in DMS8000 documentation

To access the *DMS8000 Documentation Resource Information and Glossary Guide* (document no. A6V10089056), go to the link and follow the document search instructions below:

<http://assetportal.bt.siemens.com/portal/index.html>

1. In the Search column on the left, set:
 - Segment: **04 Fire -3F**
 - Document Type: **All**
 - Image Type: **All**
 - Advanced search criterias: Select **Brochure No.** and enter the document number to search for (e.g. A6V10062415). Alternatively, select **Title** and enter the product name (e.g. MM8000).
2. Click **Search** to start.
3. In the resulting area on the right, select the document type (e.g. Contacts, Data Sheet, etc).

For more information such as Siemens news and announcements, visit the STEP Web portal at:

<https://workspace.sbt.siemens.com/content/00001123/default.aspx>



Note: MK8000 documentation is delivered in PDF format only. You can find Word versions of all documentation in the Siemens Asset Portal repository.

5.1 DMS8000 Documentation Resource Information & Glossary

Documentation Resource Information and Glossary (document no. A6V10089056)

This document is a guide to the following:

- Reference Documents: a complete list of all DMS8000 documents and how to access them.
- Roadmap to Documentation: target audiences can see which documents were created for them, and the purpose for each document.
- Customer Support links & resources: contact information for SBT FS Customer Support Centre and other convenient links.
- General Glossary: this contains global definitions of terms and acronyms used in DMS8000 documentation.

5.2 Sales documentation

Product Datasheet (document no. A6V10062405)

This is a brief technical sales document to be used for introducing the MK8000 to potential customers.

- This has been updated to reflect the new subsystems and network solutions available.

Sales Guide (document no. A6V10061910)

It contains background information about the target market for the MK8000, potential pitfalls to avoid, and some sales arguments.

- The sales guide is unchanged from MP1.10.

Sales Presentation (document no. A6V10219113)

This is a brief PowerPoint presentation that can be used as is, or modified for client presentations. It provides an overview of the MK8000 system.

DMS8000 Application & Planning (document no. A6V10063710)

This document contains a brief discussion of product marketing strategy for all FSP-DMS products, and a moderate level of detail about the architectural configurations supported.

5.3 Technical documentation

5.3.1 MK8000 documentation

Release Notes (document no. A6V10062455_a_en)

This document outlines what's new and different in this version and how that affects your work.

MK8000 Installation, Configuration and Commissioning (ICC) (document no. A6V10062407_a_en)

The ICC guide provides step-by-step procedures for installation and configuration of the MK8000. During configuration, this manual should be used in tandem with the DMS8000 Connectivity Configuration guides.

The installation checklist at the end of the document is intended to be used as an aid in gathering information from the customer prior to beginning configuration.

DMS8000 Connectivity Configuration Guides:

- Network (document no. A6V10359485)
- Fire (document no. A6V10359481)
- Intrusion (document no. A6V10359489)
- Access (document no. A6V10062451)
- Video (document no. A6V10062457)

The DMS8000 Connectivity Configuration guides contain information about configuring networks and subsystems supported by DMS8000 products. These guides should be used in conjunction with the ICC guide.

Composer Technical Manual document no. A6V10062401)

This guide explains how to use Composer in general. It provides a reference to commands and instructions used during the system configuration.

Maintenance & Troubleshooting

Note: This document is no longer provided. Please refer to the on-line support services (see next section).

Release Notes (document no. A6V10062453)

This document. It includes all information concerning the current version.

Subsystem Interface Specifications (various documents)

Interface specifications are available for the supported subsystems. Detailed list is provided in the Documentation Resource Information document.

The list of changes in this version includes:

| | |
|---|---|
| 1 | <p>019_DMS_MK8000_Interface_Spec_FC20-FC720_Model_V1.09_A6V10097200_g_en.pdf</p> <p>New objects added related to FS20 V5.2. The list includes:</p> <ul style="list-style-type: none"> - Block panel commands - Block area commands - SubArea propagation - SubArea fire control - SubArea Rt control - SubArea horn control - FT2080 panel - Legacy field bus modules - Legacy module lines - VisualizerConfigElem - SmartphoneClient <p>The document applies to both FC20 and FC720</p> |
| 2 | <p>0019_DMS_MK8000_Interface_Spec_SPC_Model_V2.03_A6V10238660_e_en.pdf</p> <p>New types of zone added related to FS20 V3.5. The list includes:</p> <ul style="list-style-type: none"> - Shunt zone: when activated, it inhibits all the zones that have the Shunt attribute set - X-Shunt zone: when activated, it inhibits the subsequent zone - All OK zone: activated by the user to say that all is OK - Holdup Fault zone - Warning Fault zone |
| 3 | <p>019_DMS_MK8000_Interface_Spec_Station_Model_V1.04_A6V10372963_b_en.pdf</p> <ul style="list-style-type: none"> - New <i>Out of Memory</i> property (event overflow condition) |
| 4 | <p>019_DMS_MK8000_Interface_Spec_X-Net_System_Model_V1.01_A6V10403181_a_en.pdf</p> <ul style="list-style-type: none"> - New model added for XNET System (XLS fire panels) |

5.3.2 OPC foundation documentation

OPC Common 1.10

This is the specification of rules, design criteria, and interfaces that are common to developers of OPC clients and OPC servers. The specification is a result of an analysis and design process to develop a standard interface to facilitate the development of servers and clients by multiple vendors so that they can interoperate seamlessly together.

OPC DA 2.05a (Data Access Interface Specifications)

This is the interface specification for developers of OPC Data Access clients and OPC servers. The specification is a result of an analysis and design process to develop a standard interface to facilitate the development of servers and clients by multiple vendors so that they can interoperate seamlessly together.

- The MK8000 OPC Server supports the required COM interfaces described in the OPC Data Access Custom Interface Standard V 2.05 – section 3.1.

Using OPC via DCOM with XP SP2

This technical note contains information about OPC network operations with Windows XP SP2. This Windows release includes a new firewall designed to prevent malicious attacks to the computer. Due to this feature, a special setting is required to enable OPC network communication (DCOM).

6 Customer support links & resources

6.1 Siemens BT FS

Our Customer Support Center intranet site at:

<http://intranet.siemens.com/bt/csc-fs>

provides useful information and links. In the Online Support section of this intranet page, software downloads and known product issues can be found in the PSP (password-protected Product Support Platform).

→ The support mailbox is: fs.support.sbt@siemens.com.

6.2 Microsoft

General support about Microsoft Windows can be found at:

→ <http://support.microsoft.com/directory/>

6.3 Adobe Acrobat

To view the PDF document is necessary to install the program Adobe Acrobat Reader. You can find its free version at:

→ <http://www.adobe.com/products/acrobat/readstep.html>

6.4 OPC

The OPC Foundation at www.opcfoundation.org is a great resource for documentation and the latest information on OPC.