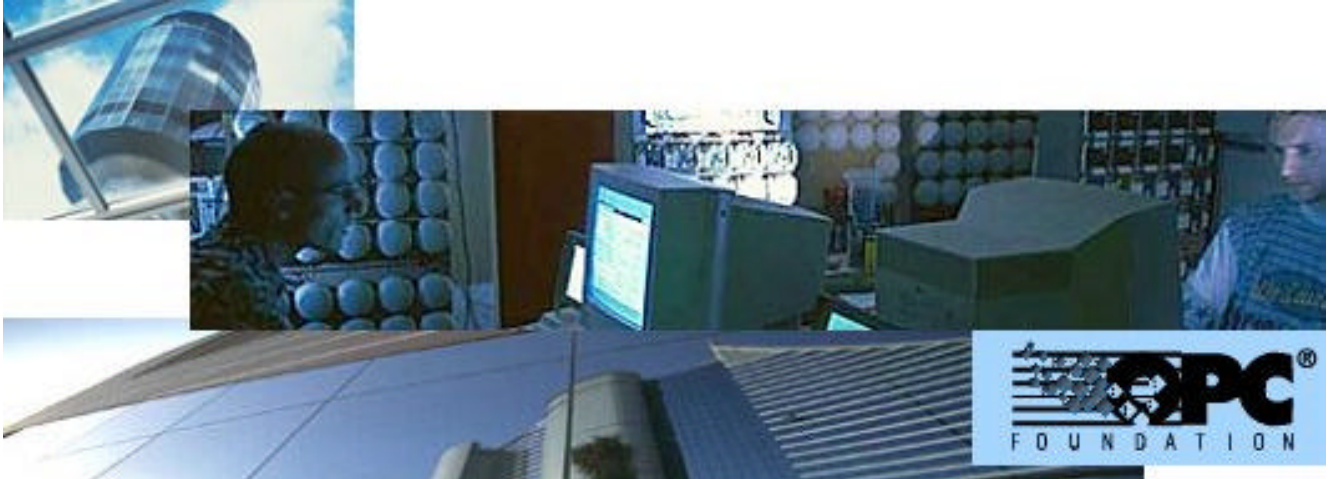


SIEMENS



MK8000 MP1.30 OPC server for subsystems

Release notes

Fire & Security Products

Siemens Building Technologies

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1 Introduction

This document applies to MK8000 MP1.30 and covers the following topics:

- Differences between this release and the last..... p. 2
- Migrating from a previous release..... p. 7
- Known problems & bugs p. 8
- Bugs fixed in this version p. 9
- Documentation.....p. 10
- Customer Support links and resourcesp. 13

2 What's new in 1.30

This section details the differences between MK8000 MP1.20 and MP1.30.

- OPC compliancep. 3
- New networks & subsystems supported.....p. 3
- Changes to installation procedurep. 4
- New tools installed.....p. 4
- Changes to Configuration procedurep. 4
- Changes to functionality and features.....p. 4
- Changes to data representation.....p. 5
- Changes to Documentation.....p. 6

2.1 Full OPC compliance

The MK8000 OPC Server 1.30 supports all the required COM interfaces and data types described in the OPC Data Access Custom Interface Standard V 2.05.

The default data type of the Item Value (= Multi-state Value) is VT_I2 (a 2 byte integer number). However, unlike previous release, MK8000 1.30 is prepared to return data in other requested formats according to the general recommendations of the OPC Specification. See also MK8000 OPC Interface Specifications .

2.2 New networks & subsystems supported

2.2.1 Networks & connectivity supported

The following control level configuration types are supported in MK8000 MP1.30.

- ⇐ Cerloop – Supported in 1.10
- ⇐ CDI-Net - Supported in 1.10
- ⇐ CDI-WAN in GW20 emulation mode - Supported in 1.10
- ⇐ CDI-WAN in native LAN mode – **New!**

The following network components are supported in MK8000 MP1.30:

- ⇐ MK7022 – supported in 1.10
- ⇐ CK11 – supported in 1.10
- ⇐ GW21 – Supported in 1.10
- ⇐ GW20 – Supported in 1.10
- ⇐ NK8210 MP 1.1 (GW20-emulation on serial connection) – Supported in 1.10
- ⇐ NK8223 MP1.1 (GW21-emulation on serial connection) – supported in 1.10
- ⇐ NK8222 and NK8223 MP2.1 (LAN connectivity) – **New!**

2.2.2 Subsystems supported

Fire & Gas Subsystems

- CC60 – Supported in 1.20
- CS11 AlgoRex (EP7) – Supported in 1.20
- CS11 AlgoRex (EP5) (*excluding Asia/Pacific extensions*) – supported in 1.10
- CZ10 – Supported in 1.10
- STT11 système de télécommande et télésignalisation – Supported in 1.10

Intrusion Subsystems

- CS6 Guarto – Supported in 1.20
- CS440 – supported in 1.10
- CS4 – Supported in 1.10
- CZ12 - Supported in 1.10

Other Subsystems

- DMS7000 units, including MF7033 – Supported in 1.10
- CF9000 I/O – **New!**
- Simatrix CCTV – **New!**

2.3 Changes to installation procedure

A new option is available in the MK8000 1.30 setup for installation of the test client only.

2.4 New tools included with MK8000

Depending on the selected setup options, the MK8000 Installation disk can install the following applications:

- MK8000 OPC Server and FEPs – **MP1.30**
- Composer Plug-in Installer – **New version, 2.03**
- Composer – **New version, 2.03**
- Inspector – same as 1.20
- MK8000 test client – **New version, 1.30**
- PAK manager – same as 1.10
- System Supervisor Browser – same as 1.10
- System monitor – same as 1.10
- OPC Transparency REG file – same as 1.10
- Export Wizard – same as 1.20

Details about all of these files can be found in the MK8000 Installation Configuration & Commissioning guide.

2.5 Changes to Configuration Procedure

- To configure MK8000 MP1.30 you must use Composer version 2.03. This version of composer can be used to configure MT8001 projects as well. MM8000 requires instead re-installing Composer as distributed in the MM8000 CD.
- This version allows you to download a project created in previous releases of MK8000 to MP1.30.
→ See 3, Migrating from MP1.10/MP1.20 to MP1.30, on page 7.
- USB dongle is supported: install the USB driver:
MK8000\PAK Manager\Sentinel Drivers Backup\SSD5411-32bit.exe.
- *Service Key* (USB only) can enable configuration functions even without Composer PAK code.
- New import capabilities for CZ10 and CZ12 customer texts from DMS7000 export file.

2.6 Changes to Functionality and features

- The MK8000 MP1.30 provides a new history log for troubleshooting activities with client applications.
← See the Installation Configuration and Commissioning guide for details.
- CS6 Guarto: support for 4 units on a CerCom/LON via NK822x. Also, the limit of max. 128 zones per unit has been moved up to as many as 500.
- A new property has been added to CZ10: *Earth Fault*
- A new property has been added to CK11 EP5: *Line Fault*
- A new property has been added to CC11 EP5: *Partially off* and *Partially Fault* in the area object.

2.7 Changes to Data representation

New states have been added to better represent objects in relation to status request, i.e. the transient phase when the server gets the current field states from the control units (see also 'MK8000 Interface Specifications').

State value	Name	Note
1369	Not Aligned	The OPC Server is not aligned to the control unit.
1370	Alignment in progress	The OPC server is waiting the aligned answer from the control unit.

New commands have been added (see also 'MK8000 Interface Specifications')

Command	Value	Bit	Note
Status Request	2048	12	Forces the alignment of the OPC Server to the Control unit. This is usually done automatically but can also be forced by issuing this command

In 1.30, these modifications are applicable to all systems.

2.8 Changes to Documentation

The document set included with the MK8000 has changed significantly for this version.

EDMS	Document Name	Status
004968	Product Data Sheets (En, Fr, De)	Updated
004970	Sales Guide	No changes from 1.10/1.20
007121	Sales Presentation	No changes from 1.10/1.20
007025	Application & Planning	Updated
007875	Release Notes MP1.30	New (this document)
004971	Installation Configuration & Commissioning	Updated
007077	Maintenance & Troubleshooting	Updated
007083	DMS8000 Connectivity Configuration	Updated
004971	MK80000 OPC Interface Specifications	Updated

The following subsystem interface specifications are available with MP1.30:

EDMS	Subsystem name	Status
004973	CS440	Updated
004974	CS11 (EP5)	Updated
007078	CS4	Updated
007079	CZ12	Updated
007080	CZ10	Updated
007081	STT11	Updated
007082	DMS7000	Updated
007122	GW20 / NK8210	Updated
007124	GW21	Updated
007125	MK7022	Updated
007126	CK11 (EP5)	Updated
007127	SK11	Updated
007129	CK11 (EP7)	Updated
007154	NK8223 (GW21 emulation)	Updated
007545	CS6	Updated
007546	CC11 (EP7)	Updated
007547	CC60	Updated
007879	NK822x	New!
007880	CF9000	New!
007881	Simatrix	New!

3 Migrating from MP1.10/MP1.20 to MP1.30

Composer projects generated in MP1.10 and MP1.20 can be used with MP1.30.

1. Open the new version of Composer (R 2.03)
2. Restore the project created in 1.10/1.20
3. In OPC group name field in the MK8000 tab of each subsystem (including networks), insert the OPC group name that was generated for that subsystem in 1.10/1.20 (if any modifications were made). You can get these names directly from the client or by generating a .CSV file with the export wizard application (see the Installation Configuration and Commissioning guide for details).
4. Download a project.



Composer projects generated in MP1.00 (R1.0) cannot be used with MP1.30.

To upgrade an existing of MK8000 1.00 configuration, you will need to follow the instructions given in the release notes for MK8000 1.10.

4 Problems & bugs

This is a list of known problems, limitations and bugs in MP1.20. For troubleshooting, see the Maintenance & Troubleshooting guide. See also 7 support links & resources on page 13 for links providing useful information.

1. The MK8000 can be connected to CDI-WAN MP2.1 network (NK8222 and NK8223) on LAN/WAN but not via serial line.
NK8223 MP1.1 (R1.31) may be used for serial connections with the known limitations of this solution (no support for tamper switch and local I/O). Instead, NK822x units on LAN/WAN are fully supported.
2. Clients not supporting DCOM require a script 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 the Installation Configuration Commissioning guide.
3. PC network name should be max. 15-characters long
4. Composer projects made with MK8000 1.00 are not compatible with the version 1.30.
⇐ See Section 3 Migrating from MP1.10/MP1.20 to MP1.30 above.

5 Bugs fixed in this release

The following bugs from MP1.20 have been fixed for MP1.30:

1. Fixed some problems in the CS4-40 import procedure
2. Fix some problems in the CZ10 import procedure
3. Detailed revision of the OPC interface and corrections of minor bugs

6 Documentation

This section provides an overview of what information is included in each of the documents that accompany MK8000 MP1.30.

6.1 MK8000 Product Binder

The product binder contains all sales and technical documentation. This format reflects the new standard for FSP-DMS documents.

6.2 Sales documentation

Product Datasheet

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 in MP1.30

Sales Guide

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 1.10.

Sales Presentation

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.

← The sales presentation is unchanged from 1.10.

Application & Planning

The MK8000 application & planning document contains a brief discussion of the MK8000 product marketing strategy, and a moderate level of detail about the architectural configurations supported by MP1.30

← This has been updated to include new architectures and subsystems.

6.3 Technical documentation

6.3.1 MK8000 documentation

Release Notes

This document outlines what's new and different about MP1.30 and how that affects your work.

Installation Configuration & Commissioning

The ICC guide contains information about system limits, hardware and software requirements. It 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 guide.

During commissioning and acceptance testing, the MK8000 ICC guide should be used with the Maintenance & Troubleshooting guide. Since the responsibility of client integration rests outside the scope of our work with the MK8000, we have included some important integration tips that can be passed on to the integration group, but not an exhaustive guide.

← This has been updated to reflect new subsystems, new network solutions and new data formats and states.

Maintenance & Troubleshooting

This troubleshooting guide includes known problems encountered during and after installation configuration & commissioning coming from Composer, MK8000, Microsoft Windows and where possible, the client.

← This has been updated to include any new potential problems associated with changes to the MK8000 and Composer.

DMS8000 Connectivity Configuration Guide

This guide is shipped with all FSP-DMS products. It includes information about installing Composer, connecting and activating the hardware (dongle) key, setting up a new project and configuring the networks and subsystems supported by DMS8000 products. This should be used in conjunction with the MK8000 ICC guide.

← This document has been updated to include new subsystems.

MK8000 OPC Interface Specifications

This document includes information for the OPC client integrators about the MK8000 OPC model. This document can be given to the integrators along with any relevant subsystem interface specifications.

← This document has been updated with new formats, states and commands.

Subsystem Interface Specifications

Interface specifications are available for the subsystems listed in section 2.2.1 Networks & connectivity supported on page 3. Most of these are only available in PDF format. If you need to edit these documents, you can save the PDF as a RTF document, which can then be opened in Microsoft Word or Notepad.

6.3.2 OPC foundation documentation

The list of reference documents includes several papers published by the OPC foundation. These documents contain information about OPC principles and use.

These PDF documents can be downloaded from www.opcfoundation.org. Select "Latest Downloads" from the "Tech Info" drop down menu on the main page of the site.

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)

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 MP1.30 supports the required COM interfaces described in the OPC Data Access Custom Interface Standard V 2.05 – section 3.1.

7 Customer support links & resources

7.1 MK8000

CD-IT support provides information on the Intranet site <http://www.cdi.cerberus.ch/support/supp-lmsn.asp>. A software troubleshooting guide is available at: <http://www.cdi.cerberus.ch/support/supp-trou.asp> (password required) or deliverable upon request, please contact CD-IT support: support@cdi.cerberus.ch.

7.2 OPC

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

7.3 Microsoft

7.3.1 General support

General support about Microsoft Windows can be found at:

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

Most interesting support links are also available in the Intranet site page:

⇒ <http://www.cdi.cerberus.ch/support/supp-link.asp>

the following links concern more specifically the platform Windows NT and 2000.

7.3.2 Windows 2000 professional workstation

Technical information, including deployment guides:

⇒ <http://www.microsoft.com/windows2000/default.asp>

Frequently Asked Questions (FAQs):

⇒ <http://www.microsoft.com/windows2000/support/issues/default.asp>;

⇒ <http://www.windows2000faq.com>

Hardware compatibility list:

⇒ <http://www.microsoft.com/windows2000/professional/howtobuy/upgrading/compat/default.asp>

Security issues:

⇒ <http://www.microsoft.com/technet/treeview/default.asp?url=/technet/security/current.asp?productid=5&servicepackid=0>

How to obtain Windows 2000 Service packs:

⇒ <http://support.microsoft.com/support/kb/articles/Q260/9/10.ASP>

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