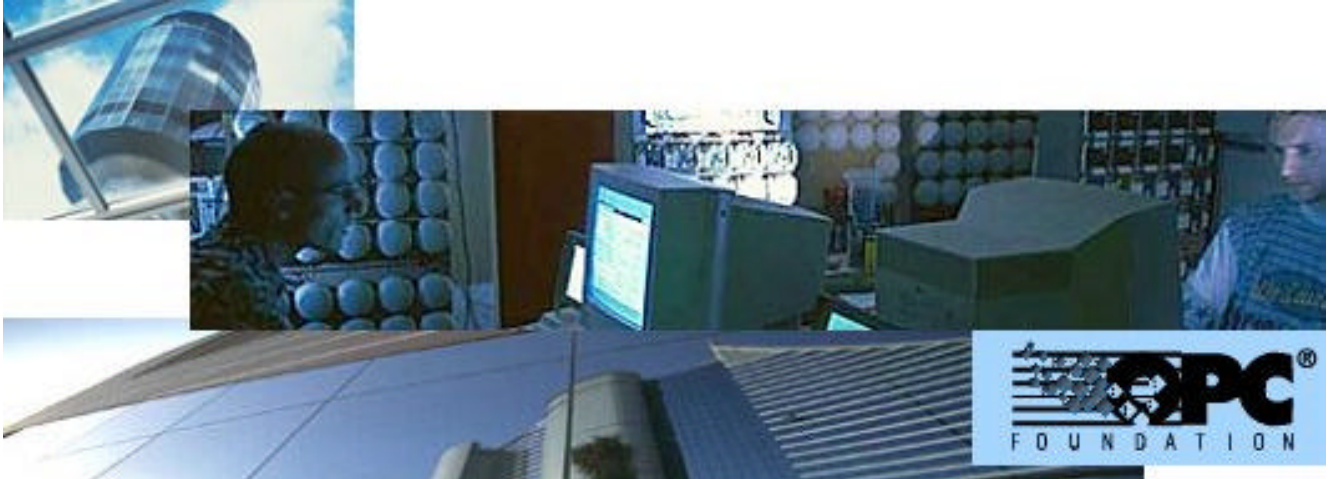


# SIEMENS



## **MK8000 MP1.20 OPC server for subsystems**

Release notes

**Fire & Security Products**

Siemens Building Technologies

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# 1 Introduction

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This document applies to MK8000 MP1.20 and covers the following topics:

- Differences between this release and the last.....p. 3
- Migrating from a previous release.....p. 8
- Known problems & bugs .....p. 9
- Bugs fixed in this version .....p. 10
- Documentation.....p. 11
- Customer Support links and resources .....p. 13

## 2 What's new in 1.20

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This section details the differences between MK8000 R1.10 and MP1.20.

- New networks & subsystems supported..... p. 4
- New tools installed..... p. 5
- Changes to Configuration procedure ..... p. 5
- Changes to functionality and features ..... p. 5
- Changes to data representation..... p. 6
- Changes to Documentation..... p. 7

## 2.1 New networks & subsystems supported

### 2.1.1 Networks & connectivity supported

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There are no new networks in MP1.20.

The following control level configuration types are supported in MK8000 MP1.20.

- ⇐ Cerloop – Supported in 1.10
- ⇐ CDI-Net - Supported in 1.10
- ⇐ CDI-WAN in GW20 emulation mode - Supported in 1.10

The following network components are supported in MK8000 MP1.20:

- ⇐ MK7022 – supported in 1.10
- ⇐ CK11 – supported in 1.10
- ⇐ GW21 – Supported in 1.10
- ⇐ GW20 – Supported in 1.10
- ⇐ NK8210 (GW20-emulation on serial connection) – Supported in 1.10
- ⇐ NK8223 (GW21-emulation on LAN to NK8210 or on serial connection) – supported in 1.10

### 2.1.2 Subsystems supported

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#### Fire & Gas Subsystems

- CC60 – **New!**
- CS11 AlgoRex (EP7) – **New!**
- CS11 AlgoRex (EP5) (*excluding Asia/Pacific extensions*) – supported in 1.10
- CZ10 – Supported in 1.10

#### Intrusion Subsystems

- CS6 Guarto – **New!**
- 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
- STT11 système de télécommande et télésignalisation – Supported in 1.10

## 2.2 New tools included with MK8000

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The MK8000 Installation disk will install the following applications:

- MK8000 OPC Server (and FEPs) – **MP1.20**
- Composer Plug-in Installer – **New version, 2.02-00**
- Composer – **New version, 2.02-00**
- Inspector – **New version**
- MK8000 test client – **New version**
- PAKmanager – 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 - **New version**

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

## 2.3 Changes to Configuration Procedure

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- To configure MK8000 MP1.20 you must use Composer version 2.02. This version of composer can be used to configure MM8000 and MT8001 projects as well.
- This version allows you to download a project created in previous releases of MK8000 to MP1.20.

## 2.4 Changes to Functionality and features

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- In MP1.10 the export wizard tool (used to generate an OPC name export file in .csv format) was accessed through the Inspector. In MP1.20, the export wizard is accessed directly from Composer. This new feature is described more in detail in the Installation & Configuration manual.
- Demo mode support. This new feature is described more in detail in the Maintenance & Troubleshooting manual
- Now the number of points the client is connected to and the number of points purchased in the license can be easily checked. This is detailed in the Installation Configuration and Commissioning guide.

## 2.5 Changes to Data representation

New states have been added to better represent objects (see also 'MK8000 Interface Specifications')

State value	Name	Note
1144	Test-Active UnReset	Testing of Active state, need an acknowledge command
1145	Test-Active Ack	Testing of Active state, acknowledge command received.
1146	Test-Active Unack	Testing of Active state, waiting for a reset.
1316	Manual	The object is in manual mode.
1318	Manual UnReset	The object is in manual mode.  The operator is required to send a Reset command in order to force the object into its default state.
1319	Manual Ack	The object is in manual mode.  Acknowledge command received.
1320	Manual Unack	The object is in manual mode.  The operator is required to send an acknowledge command .
1326	Blocked	The object is in Blocked
1328	Blocked UnReset	The object is in Blocked  The operator is required to send a Reset command in order to force the object into its default state.
1329	Blocked Ack	The object is in Blocked  Acknowledge command received.
1330	Blocked Unack	The object is in Blocked  The operator is required to send an acknowledge command.

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

Command	Value	Bit	Note
Block	512	10	Set the object in blocked state from quiet.
Manual	1024	11	Set the object in manual state from quiet.

These modifications are applicable to new systems (1.20) and to following systems/objects already available in 1.10:

- CC11  
Object: Extinguishing Zones Root (FIEXZORO)  
Object: Rt Device (FINORDGE)
- STT11  
Object : Area (FIDEARGE)  
Object: Security function (FIDEZOGE)



## 2.6 Changes to Documentation

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

<b>EDMS</b>	<b>Document Name</b>	<b>Status</b>
004968	Product Data Sheet	Updated
004970	Sales Guide	No changes from 1.10
007121	Sales Presentation	No changes from 1.10
007025	Application & Planning	Updated
007076	Release Notes	Updated
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 MP1.20:

<b>EDMS</b>	<b>Subsystem name</b>	<b>Status</b>
007546	CC11 (EP7)	<b><i>New!</i></b>
007129	CK11 (EP7)	<b><i>New!</i></b>
007547	CC60	<b><i>New!</i></b>
007545	CS6	<b><i>New!</i></b>
004974	CS11 (EP5)	Updated
004973	CS440	No changes from 1.10
007078	CS4	No changes from 1.10
007079	CZ12	No changes from 1.10
007080	CZ10	No changes from 1.10
007081	STT11	Updated
007082	DMS7000	No changes from 1.10
007122	GW20 / NK8210	No changes from 1.10
007124	GW21	No changes from 1.10
007125	MK7022	No changes from 1.10
007126	CK11	No changes from 1.10
007127	SK11	No changes from 1.10
007154	NK8223	No changes from 1.10

### 3 Migrating from R1.10 to MP1.20

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Composer projects generated in R1.10 can be used with MP1.20.

1. Open the new version of Composer (R 2.02)
2. Restore the project created in 1.10
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 (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 R1.0 cannot be used with MP1.20.

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.

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## 4 Problems & bugs

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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. Composer projects made with MK8000 1.00 are not compatible with the version 1.20.  
← See Section 3 Migrating from R1.10 to MP1.20 above.
2. The NK8210 is only supported in the GW20-emulation mode: it can be connected via a serial port (MK8000 and NK8210 can be on the same machine using two COM ports) and it can connect up to 20 NK8223's on TCP/IP LAN/WAN.
3. The MK8000 can be connected to NK8223, both on LAN/WAN via NK8210 and via a direct serial port. It is however, only supported in GW20-emulation mode: MK8000 does not manage NK8223 tamper switch or local input-output modules.
4. 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.
5. PC network name should be max. 15-characters long

## 5 Bugs fixed in this release

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The following bugs from MP1.10 have been fixed for MP1.20:

### **Migration from previous version**

Projects created in MP1.10 can be used in MP1.20.

## 6 Documentation

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This section provides an overview of what information is included in each of the documents that accompany MK8000 MP1.20.

### 6.1 MK8000 Product Binder

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The product binder contains all sales and technical documentation. This format reflects the new standard for FSP-DMS documents. These documents should be standard across products, so for example, section 2 of the Sales Material should always be the product data sheet whether it is the MK8000 product binder or the MM8000 product binder.

Note that the binders include one-page references to documents that are maintained separately from the MK8000 product documentation but are relevant to the product sales and set-up workflow.

### 6.2 Sales documentation

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There haven't been many changes to the content of the sales document. The biggest changes are the addition of a sales presentation, and the provisional Application & Planning guide.

#### **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 architectures available in MP1.20

#### **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**

This is an interim guide to the available architectures while the more robust DMS8000 family application & planning guide is being generated. 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 MP1.20

- ⇐ This has been updated to include new architectures and subsystems.

#### **Price List**

- ⇐ The Price List addendum is unchanged from 1.10.

## 6.3 Technical documentation

### 6.3.1 MK8000 documentation

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#### Release Notes

This document outlines what's new and different about MP1.20 and how that affects your work. It also included any newly discovered bugs and fixes.

#### 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, the transparency of available data points and the new export wizard.

#### Maintenance & Troubleshooting

Though this document is called Maintenance & Troubleshooting, it would be more honest to call it just Troubleshooting. The goal is to add maintenance information once the product has been on the market longer and more field experience has been gained.

Troubleshooting information previously located in the Function & Configuration guide has been moved to this one and reorganised so that information is easier to find. The 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 Commissioning

This is a new document that will be 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 states and commands.

#### Subsystem Interface Specifications

Interface specifications are available for the subsystems listed in section 2.1.1 Networks & connectivity supported on page 4.

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

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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](http://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.

## 7 Customer support links & resources

### 7.1 MK8000

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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](mailto:support@cdi.cerberus.ch).

### 7.2 OPC

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The OPC Foundation at [www.opcfoundation.org](http://www.opcfoundation.org) is a great resource for documentation and the latest information on OPC.

### 7.3 Microsoft

#### 7.3.1 General support

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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

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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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Document no. 007143\_a\_e\_--  
Edition 07..2003

MK8000 Technical Material  
Section 1