SIEMENS

NK8000 MP4.10

NK8222 DMS8000 Ethernet Port

NK8223 DMS8000 Ethernet Port

NK8225 DMS8000 Ethernet Port with BACnet Gateway

Product Release Notes

Building Technologies

Fire Safety & Security Products

1   Introduction

This document applies to NK8000 MP4.10, which is now available for market distribution. The new product list includes:

- **NK8222 Ethernet port for a single subsystem**
- **NK8223 Ethernet port**
- **NK8225 Ethernet port with BACnet gateway**

These units are to be used as network units for the hosts listed below.

- MM8000 management station MP4.10
- MK8000 OPC server MP4.10

i | Note also that all NK8000 MP4.10 products are not currently compatible with MT8001 (3.15). In case MT8001 is required, then NK8000 MP3.15 network products should be used.

2   What's new in MP4.10

- New dial-up connectivity, both as backup option and as unique connection.
- NK8225 gateways can now support network-wide interactions across multiple NK8225 units.
- Upload from SI410 Sintony is now also possible via NK882x.

Network connectivity table

KEY:	
DMS	MM8000 and MK8000 MP4.10; MT8001 MP3.15 (MT8001 not compatible with 4.10, requires NK8000 3.15)
MM/MK	MM8000 and MK8000 MP4.10
MM	MM8000 MP4.10

		Direct RS232	Cerloop	Direct LAN	NK8000								CDI-Net GWxx	
Connection	Upstream interface device				NK822x								GW00 / 01	
					NK8225		NK8222 / NK8223 / NK8225						GW20 / 21	
	Upstream data-link protocol				BACnet/IP		CMSDL serial		CEI 79-5 /IP		CMSDL/IP		CMSDL serial	
	Downstream network	Direct	Cerloop	LAN	Direct	Cerloop	Direct	Cerloop	Direct	Cerloop	Direct	Cerloop	Direct	Cerloop
	Downstream interface device	-	MK7022	-	-	MK7022	-	MK7022	-	MK7022	-	MK7022	-	MK7022
Subsystems	CS11 AlgoRex EP5 & EP7	DMS	DMS		MM/MK	MM/MK	DMS	DMS	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK
	FC700A	DMS			MM/MK		DMS		MM/MK		MM/MK		MM/MK	
	CS1115	MM/MK												
	FC330A	MM/MK												
	CZ10		DMS				DMS	DMS	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK
	CC60		DMS				DMS	DMS	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK
	STT11		DMS				DMS		MM/MK		MM/MK			MM/MK
	STT20						MM/MK		MM/MK		MM/MK			
	STT2410						MM/MK	MM/MK	MM/MK	MM/MK				
	SIGMASYS/D100 (field test only)				MM/MK		MM/MK		MM/MK		MM/MK			
	CS440		DMS				DMS	DMS	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK
	CS4		MM/MK				MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK
	CZ12		MM/MK				MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK	MM/MK
	CS6 Guarto (via LON interface)				MM/MK		DMS		MM/MK		MM/MK			
	SI410/420 Sintony	MM/MK		MM/MK	MM/MK		DMS		MM/MK		MM/MK			
	MF7033 / MM7033		DMS				DMS				MM/MK		MM/MK	MM/MK
	CF9000 I/O						DMS		MM/MK		MM/MK		MM/MK	
	SIMATIC S7 MODBUS				MM		MM		MM		MM			
	SIMATIC S7 OPC			MM										
	SIMATRIX, SIMATRIX NEO						MM/MK		MM/MK		MM/MK		MM/MK	
	Philips-Burle						MM/MK		MM/MK		MM/MK			
	SISTORE AX, CX, MX, MXPro, SX		MM/MK											
	TELSCAN		MM/MK											
	IP cameras (*)		MM/MK											
	SiPass ACC		MM/MK											
	CerPass CC30 (via SiPass)		MM/MK											
	ESPA Pager	MM												
	Autronica BSxxx / LIST SCU 2000 (field test only) / MAXSYS PC601 / CP100 / CDDL/CDSF units (field test only) / MODBUS units (field test only) / M5 R-card				MM		MM		MM		MM			

Software tools

MP4.10 is supplied with a set of Windows 2000/XP, Composer-based engineering tools, either integrated into MM8000/MK8000, or installed separately. The software is distributed on CD and the setup allows the installation of Composer framework and all the required tools.

A software license is required to run Composer. The license may include a protection key and an authorisation code (customer license) or a key only (service key).

3 NK822x firmware

MP4.10 firmware files are distributed in two sets of files:
- NK8222 and NK8223 files
- NK8225 files

The firmware is pre-loaded in the NK822x units and also distributed in the Composer tool environment in compressed (ZIP) files.

Units installed with previous versions can be updated with latest release using standard Composer commands (see the DMS8000 Network and Subsystem Connectivity Guide).

Note that NK8225 software cannot run on NK8223 hardware.

Upgrading to NK8225 requires hardware modifications (CPU unit): if required, check details with FS DMS customer support.

4 Known problems & bugs

This is a list of known problems and limitations present in the current version.

- Interaction problem on NK822x restart:

  Sometimes, during the start up phase, the interactions configured may not work. The problem is caused by the different start up times for the protocols configured on the NK822x. For example, the ISO1745 protocol takes up to 30-40 seconds to establish communication, and in this time the trigger messages generated by NK822x are lost. The problem is related to sending commands to devices still not connected. In this case, commands are thrown away. In order to avoid this problem, you may want to add a check on the COM port in the interaction program.

5 Documentation

All documents were updated to include the new features added in MP4.10.

Note the document numbers related to the new STEP numbering.

STEP documentation repository

On the Siemens intranet, the product documentation can be found in the STEP Documentation Repository. The STEP Web Client interface is available at the following address:

https://intranet.sbt.siemens.com/dbcom/en/db_porta/client.asp

The following describes one way to search and find a document:

1. Click on the "STEP WEB Client" image:

2. Choose "04 Fire -3F" from the "Product Segment" box and select "Activate filter".

3. Select "All" in the Documents section of the Quick Search page and select "Advanced Search".

4. Enter the document number in the "Brochure No." field (e.g. A6V10062415 or 007121) and press "Enter".

Note: STEP provides no results when the number of found objects is equal to or greater than 200.

→ To learn about other ways to locate a document, see DMS8000 Quick Reference Guidelines for Search and Finding DMS Documents in STEP (A6V10064704).

5.1 NK8000 Sales documentation

NK8222 Product Datasheet (document no. A6V10062433_a_en)
NK8223 Product Datasheet (document no. A6V10062431_a_en)
NK8225 Product Datasheet (document no. A6V10062445_a_en)
A brief summary of the features provided by the NK8000 units.

MM8000 System Description (document no. A6V10062417_a_en)

This document is similar to the datasheet, but very much expanded, and more detailed. It describes the MM8000 system and the user interface functionality.

Sales Guide (document no. A6V10062439_a_en)

This guide presents the most important sales arguments. Also, a FAQ section provides the answer to some typical questions.

Sales Presentation (document no. A6V10062435_a_en)

This is a PowerPoint presentation provided by the marketing department. It can be modified, or used as is to show potential customers what NK8000 units can do.

DMS8000 Application & Planning (document no. A6V10063710_a_en)

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.

5.2 NK8000 Technical documentation

NK8000 Installation, Configuration and Commissioning (ICC, document no. A6V10062437_a_en)

The ICC guide provides step-by-step procedures for installation and configuration of NK8000 units. During configuration, this manual should be used in tandem with the DMS8000 ICC and Connectivity Configuration guides.

DMS8000 Connectivity Configuration Guides:
- Network, Fire, and Intrusion (documents no. A6V10062425_a_en)
- Access Control (document no. A6V10062451_a_en)
- Video (document no. A6V10062457_a_en)
- OPC (document no. A6V10065253_a_en)

This set of documents include: the DMS8000 Network Fire and Intrusion Configuration guide, the DMS8000 Access Control Configuration guide, and the DMS8000 Video Configuration guide. The set is shipped with all FSP-DMS products and contains 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 ICC guide.

Composer Technical Manual document no. A6V10062401_a_en)

This guide explains how to use Composer in general. It provides a reference to commands and instructions used during the system configuration. Note that the latest edition of this manual describes the new functions that the current version Composer can provide.

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_a_en)
This document. It includes all information concerning NK8000 MP4.10.

6 Support links and resources

6.1 Siemens BT FS

Our Customer Support Center intranet site at:
http://intranet10.sbt.siemens.com/divisions/fs/customer+support+center/
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/

6.2.1 Windows 2000

Windows 2000 support
http://www.microsoft.com/windows2000/default.mspx

Security issues
http://www.microsoft.com/technet/security/default.mspx

6.2.2 Windows XP

Technical information, including deployment guides
http://www.microsoft.com/resources/documentation/Windows/XP/all/reskit/en-us/prork_overview.asp
Windows XP support
http://www.microsoft.com/windowsxp/support/default.mspx

Windows XP SP2 - Frequently Asked Questions (FAQs)
http://www.microsoft.com/windowsxp/sp2/default.mspx

Windows XP SP2 – How to …
http://www.microsoft.com/windowsxp/sp2/howto/default.mspx

Security issues
http://www.microsoft.com/technet/security/default.mspx

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

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