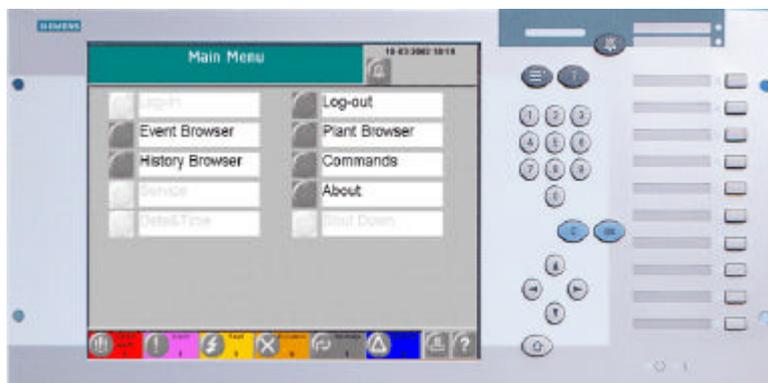


# SIEMENS



## MT8001 MP1.01 Management Terminal

Release notes

**Fire & Security Products**

Siemens Building Technologies Group

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<b>1</b>	<b>Introduction.....</b>	<b>2</b>
<b>2</b>	<b>Product description.....</b>	<b>2</b>
<b>3</b>	<b>Compatibility with previous versions.....</b>	<b>3</b>
<b>4</b>	<b>Installation of ActiveSync® and Plug-ins.....</b>	<b>3</b>
4.1	Installing the ActiveSync® utility.....	3
4.2	Installing the MT8001 plug-ins.....	3
<b>5</b>	<b>Configuration .....</b>	<b>4</b>
5.1	Supported architectures .....	5
5.2	MT8001 localization.....	5
<b>6</b>	<b>Troubleshooting guide.....</b>	<b>6</b>
<b>7</b>	<b>Installation Kit.....</b>	<b>11</b>
<b>8</b>	<b>Support links.....</b>	<b>12</b>
8.1	MT8001.....	12
8.2	Microsoft .....	12
8.2.1	Windows 2000 professional workstation .....	12
8.2.2	Microsoft ActiveSync® .....	12
8.3	Adobe Acrobat .....	12

# 1 Introduction

The MT8001 R1.01 is now released for market distribution. This note presents the characteristics of this product.

## 2 Product description

MT8001 R1.01 is a wall mountable security management and control unit that can be easily integrated into existing security systems, or can serve as a complete and autonomous management solution for smaller scale facilities.

MT8001 R1.01 provides the following functionalities:

- Connectivity: communications with local units can be performed using serial RS-232 lines or BACnet/LON.
- Supported protocols:
  - Cerloop (ISO1745 via MK7022 Cerloop interface) with the following control units:
    - ⇐ Siemens Cerberus CS11 Algorex, CZ10 and STT11 fire detection systems
    - ⇐ Siemens Cerberus CS440 intrusion detection systems
    - ⇐ Siemens Cerberus MF/MM7033 I/O Multiplexing unit
  - BACnet/LON with the following control units:
    - ⇐ Siemens Cerberus CS6 Guarato MP3 intrusion detection systems
- Configuration is performed using the Cerberus® WW8000 Composer R2.01 and the configuration information is downloaded directly into the unit via a dedicated serial line.
- Plug-ins supported:
  - ⇐ Generic node ST 2.00-11
  - ⇐ CS11 ST 3.00-11
  - ⇐ CK11 ST 3.00-12
  - ⇐ CC11 ST 3.00-29
  - ⇐ CS440 ST 3.00-29
  - ⇐ CZ10 ST 3.00-15
  - ⇐ DMS7000 ST 3.00-08
  - ⇐ MK7022 ST 3.00-22
  - ⇐ Cerloop Driver ST 3.00-32
  - ⇐ Cerloop Network ST 3.00-12
  - ⇐ STT11 System ST 3.00-04
  - ⇐ SK11 ST 3.00-04
  - ⇐ STT11 Cpu ST 3.00-08
  - ⇐ CS6 Guarato ST 3.00-06
  - ⇐ MT8001 ST 3.00-15



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Please note that **the CS6 Guarato ST 3.00-06 plug-in does not support the re-import procedure**. This means that if you have imported during the configuration process the Guarato profiles, then you cannot make a re-import of the modified profiles. **In this case you must delete your CS6 previously imported and configure it again.**

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## 3 Compatibility with previous versions

MT8001 R1.01 is not compatible with the release R1.00. This means that if you have installed the release R1.00, to update it to the release R1.01, you have to create again your projects and download them to the MT8001 device.

## 4 Installation of ActiveSync® and Plug-ins

The installation procedure for the MT8001 plug-ins foresees only two steps:

- Installation of the Microsoft® ActiveSync® utility
- Installation of the MT8001 plug-ins in the Composer environment

### 4.1 Installing the ActiveSync® utility

Microsoft® ActiveSync®, included with the MT8001 configuration software, must be installed prior to loading the MT8001 subsystem tools. The ActiveSync utility provides access to the MT8001 operating system through your PC and is the tool used to transfer the configuration data from Composer to the MT8001.

To install the Active Sync utility, select and launch the file MSASYNC.exe from the folder \ActiveSync present on the CD rom.



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To configure MT8001 R1.01 it is necessary to install Composer R2.01 on a PC running Windows 2000

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### 4.2 Installing the MT8001 plug-ins

To install the MT8001 subsystem tools:

1. launch the Plug-in installer (Start→Programs→Composer→Tools→Plug-In Installer)
2. click the “Browse” button to locate and select the Plug-ins Folder on the CD
  - the Plug-In Available pane will now contain all subsystem tools for MT8001
3. select the entire list of subsystem tools in the right column and click the “install” button
  - the list of subsystem tools will appear in the ‘plug-ins installed’ pane.



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This may take a couple of minutes. Watch the installer messages at the bottom of the window to monitor the status.

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4. Exit.



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Once the plug-ins have been transferred to Composer, Composer will keep them in its library for any subsequent projects. Therefore, this step only needs to be performed when you configure MT8001 for the first time, or if a file containing new or updated subsystem tools needs to be added (at a later date).

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## 5 Configuration

The configuration of an MT8001 project is made via Composer R2.01.

Composer can only be accessed when a hardware key is attached to your PC and activated with a valid product authorisation key (PAK).

The product authorisation key is printed on the License of Use that came with the hardware key. You can enter this number using the License Manager software that was installed with the Composer software. In some cases, you may have received the code in a .reg file

Please refer to the MT8001 Technical manual par. 4.4.4 for details.

Before starting to prepare the project, it is necessary to place all the customised images including background screens, instruction pages, maps of the plant, command buttons and icons in the subfolders located in the XMLDATA folder on your C drive (default location).

More precisely:

### Background screens, command buttons and icons go in the bitmaps folder

- The images must be in bitmap file format
- They should all be placed in C:\XMLData\Bitmaps

	Width in Pixels	Height in Pixels
Background Screens	632	480
Command Buttons	40	40
Icons	32	32

### Enhanced event treatment instructions go in the instructions folder

- The event treatment procedures should be in bitmap file format
- They should be placed in C:\XMLData\Instructions

	Width in Pixels	Height in Pixels
Procedures	585	300

### Plant Maps

- The maps should be in bitmap file format
- They should be placed in C:\XMLData\Maps

	Width in Pixels	Height in Pixels
Maps	585	300

It is essential that all the customised images are kept as small as possible (about 170 Kb max.) because this could cause problems during the download procedure. Actually, the RAM space on the MT8001 device could not be enough to permit the download of the configuration. Please refer to the MT8001 Technical manual par. 6.6.8 for details.



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Before preparing and transferring the configuration to the MT8001, backup the Composer project, (Tools→Backup). This will ensure that if anything happens during the file transfer and your project is corrupted, you will be able to restore it.

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Please note that **the Guarto CS6 plug-in does not support the re-import procedure**. This means that if you have imported during the configuration process the Guarto profiles, then you cannot make a re-import in case of some modification

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## 5.1 Supported architectures

The supported architectures are Cerloop and BACnet/LON.

MT8001 can communicate with the MK7022 interface using the ISO1745 protocol.

Moreover, it can communicate also directly with Guarto control units via BACnet/LON.

The firmware version supported is MP3.



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Please note that MT8001 R1.01 does NOT support simultaneously Cerloop and BACnet/LON architectures (planned for next MT8001 release)

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In this version, the direct connection to a CK11 (using the ISO1745 protocol) is **not supported**, as the fault supervision between CC11(s) and CK11 cannot be assured. (This type of connection is planned for the next MT8001 release).

## 5.2 MT8001 localization

The MT8001 R1.01 does not support the localization (planned for the next MT8001 release), but it is possible to localize the MT8001 run-time environment as described below. Please note that *at the moment there is available only the German language*.

1. Copy the localized XML files, contained on the cd-rom, in the directory C:\XMLData of the PC used for the configuration via Composer.
2. Localize the MT8001 device in the required language:
  - a. attach a keyboard to the MT8001, following the procedure described in the Technical Manual section 6.6.10, p.53
  - b. when the PC is connected to the MT8001, then click on the 'Explorer' button in the Active Sync application and select the following directory: C:\FlashDisk1\MT8001\Communication Layer
  - c. rename the MT8001RES409.dll file into MT8001RES409.old
  - d. rename, for example if you are localizing in German language, the MT8001RES407.dll file into MT8001RES409.dll
  - e. disconnect the keyboard from the MT8001 device and restart it.



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The MT8001RES40x.dll file contains the MT8001 texts for the run-time environment localized for each available language.

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3. Create your Composer project and download it to the MT8001.



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Be careful that this procedure allows **only** having the localization of the MT8001 run-time environment. This means that the Composer environment is not localized at the end of the procedure.

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If you need to localize the MT8001 environment in your language, then follow these steps:

- a) edit the original XML files located in the directory C:\XMLDATA of the PC used for the configuration via Composer, using the XML Notepad application, to translate the properties status of each supported plug-in
- b) save and close the translated XML files
- c) send your translation request to the CD-IT support ([support@cdi.cerberus.ch](mailto:support@cdi.cerberus.ch)) to receive the resource file MT8001RES409.rc to localize
- d) open the MT8001RES409.rc file and translate all the strings in your language, then save and close it
- e) re-send the translated MT8001RES409.rc file to CD-IT support. The file will be converted into the DLL format and re-sent to you as MT8001RES409.dll
- f) follow the steps 2 and 3 described above.

At the end of this procedure the new localized files will be put on the MT8001 cd-rom.

## 6 Troubleshooting guide

The following table shows a list of the known problems that the user could find during the MT8001 system installation and configuration.

No.	Problem description	Solution
<b>1</b>	<b>Setting up Composer environment</b>	
1.1	MT8001 plug-in does not install correctly	For the MT8001 subsystem tool to install correctly, ActiveSync <b>must</b> have been installed on your PC first. You can find a copy of ActiveSync on the installation cd-rom
1.2	The PAK is wrong: in this case you receive an error message saying that the PAK is incorrect	Please follow these steps: <ol style="list-style-type: none"> <li>1) verify that the number entered in the License Manager matches the PAK provided with Composer on the License of Use</li> <li>2) If it appears to be correct but still doesn't function, re-enter the number, but before entering the PAK, press the backspace key to ensure that there are no spaces in the PAK field.</li> <li>3) All dashes (and spaces) should be removed from the PAK in the License Manager. For example, if the License of Use PAK is: TJNW-NHVX-UKS3-LIAY, the PAK should be entered in the License Manager as: TJNWNHVXUKS3LIAY.</li> </ol> Note that the number 0 (zero) is <b>never</b> used.
1.3	The hardware key is not attached properly: while Composer is open, the hardware key must remain securely connected to the PC, otherwise it will stop functioning. The hardware key can be installed on any PC parallel port.	Please check the following steps: <ol style="list-style-type: none"> <li>1) verify that your hardware key is correctly inserted into the parallel port of your PC</li> <li>2) Some problems may arise if your printer has both a parallel and a serial input and it allows software switching between the two. In this case, make sure that the printer is always set to the serial port. Should compatibility problems between the hardware key and the printer continue, install the key on a separate parallel port.</li> </ol>
<b>2</b>	<b>Structuring the project</b>	
2.1	Nothing happens when import procedure is initiated.	Make sure that you selected the correct node before initiating an import. If you select a subsystem node that does not allow metafile import, the following occurs: <ol style="list-style-type: none"> <li>1) You are asked to confirm import</li> <li>2) After clicking 'OK', the following message occurs immediately following: 'the subsystem has been successfully imported'</li> </ol> Since you haven't indicated which file to import, the import could not really have occurred. Either you selected the wrong node, or you selected a subsystem that does not support the import feature.

No.	Problem description	Solution
2.2	Import not available for this device: if you receive this error message when you try to import the metafiles for one of the subsystems, it indicates either a problem with Composer or with the metafile.	Please follow these steps: <ol style="list-style-type: none"> <li>1) There may have been a temporary delay in communication that caused this problem. Retry the import.</li> <li>2) If you are still encountering problems, your metafile may have been corrupted.</li> </ol>
2.3	Error has been verified reading the data from server: this error message sometimes occurs when trying to navigate or perform a function in Composer (for example, import of a subsystem metafile).	Please follow these steps: <ol style="list-style-type: none"> <li>1) this will sometimes reinitiate communication within Composer. If you see the data for that node and no error message is generated, then reselect the node or function that generated the error message. If this doesn't work, go on to the next step</li> <li>2) if clicking another node didn't work, close Composer. You will lose any unsaved data in the project. Reopen Composer, and select the node or function that generated the error message</li> <li>3) if you continue to receive the error message, call Technical Support. They will analyse the error log to determine the cause of the problem.</li> </ol>
<b>3</b>	<b>Customising the behaviour of the MT8001</b>	
3.1	Defining users, the scroll bar is missing: in some screens (for example, the user node tab, function / state table), the scroll bar may not be visible.	Click where the up and down arrows should be: even though you can't see them, they are there. Clicking them usually causes the arrows and scrollbar to appear.
3.2	Defining custom commands, drag & drop doesn't work properly: before Commands can be defined and the drag & drop feature will work in Composer, all the proper network connections need to be made. If this is the cause of the problem, it will appear that you can drag the subsystem, but when you drop it into the commands window, nothing will happen.	For instructions on defining the necessary connections, see the Technical Manual section 4.6.5, p. <b>Error! Bookmark not defined.</b>
<b>4</b>	<b>Creating a backup of your project</b>	
4.1	Can't save or backup the project: if a problem occurs with the disk where your Composer project resides, for example, it is full or crashes, Composer will not be able to write to that disk. This problem will also become apparent when you try to close the project since Composer will try to perform an auto save at this point.	Please follow these steps: <ol style="list-style-type: none"> <li>1) Perform a backup: <ol style="list-style-type: none"> <li>a) Backup your project to another disk (Tool→ Backup).</li> <li>b) Exit Composer (you may need to manually stop Composer from the Task Manager).</li> </ol> </li> <li>2) Restore your project to another location: <ol style="list-style-type: none"> <li>a) Launch Composer.</li> <li>b) From the Welcome window, select restore.</li> <li>c) When the restore window comes up, browse to select the backup file.</li> <li>d) In the project file name field, browse to select a different drive where your project will be restored. All subsequent saves will be performed in this new location.</li> </ol> </li> </ol>
4.2	Can't close the Composer project	Follow the procedure described in section 4.1
<b>5</b>	<b>Transfer the configuration</b>	

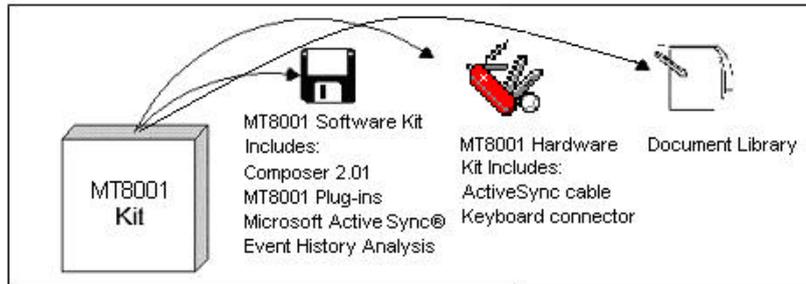
No.	Problem description	Solution
5.1	ActiveSync won't connect with MT8001: when connecting to the MT8001, ActiveSync sometimes does not recognise the MT8001	<p>Please check the following steps:</p> <ol style="list-style-type: none"> <li>1) after you have initiated "connect" on ActiveSync, while it is trying to connect, physically unplug the cable from the MT8001 (COM1) and then reconnect it. ActiveSync should start to function normally.</li> <li>2) If it still doesn't work, disconnect and reconnect both ends of the cable. ActiveSync should connect automatically.</li> </ol>
5.2	The cable from MT8001 to service PC is disconnected: if this happens during the "send XML files" procedure, an error message will display on your PC that says there was an error writing the file on WinCE.	<p>Please follow these steps:</p> <ol style="list-style-type: none"> <li>1) Reattach the cable.</li> <li>2) When the ActiveSync message displays, select 'retry'.</li> <li>3) Get connected through the MT8001 ('service').</li> <li>4) When the message from ActiveSync displays, click 'no' and then 'next'.</li> <li>5) When the MT8001 and the PC are connected, resend the XML configuration.</li> </ol>
5.3	The service PC goes into standby mode. Windows 2000 does not recognise the XML file transfer while it is occurring. Therefore, if your PC has been set to go into standby mode after a period of inactivity, it will shut down once that time is exceeded. <u>It is best to disable standby mode prior to initiating the configuration transfer.</u>	<p>If your pc has gone into standby mode while transferring XML files to the MT8001:</p> <ol style="list-style-type: none"> <li>1) Turn on your pc: the Composer project will still display but will not work properly.</li> <li>2) Go to the Processes tab of the Task Manager (ctrl-alt-del) to end the Composer client process: <b>EfeC2.exe</b></li> <li>3) Change Standby mode to Never (control panel/Power Options/Power Schemes tab)</li> <li>4) Restart the Composer project</li> <li>5) Retry the file transfer</li> </ol> <p>If Composer does not respond to this command:</p> <ol style="list-style-type: none"> <li>6) Restore your project backup</li> <li>7) Retry the file transfer</li> </ol>
5.4	The battery on the service PC loses its charge	After you have found an alternative source of power for your PC, follow the same procedure as the one described in Section 5.3
5.5	MT8001 does not start correctly after file transfer	<p>Check the allocation of COM Ports for conflicts</p> <p>The current version of Composer does not check for multiple allocation of the same COM port, therefore if more than one item is trying to use the same COM port, the MT8001 will not start properly.</p> <p>The default COM port allocation is:</p> <p>COM 1 – Field PC to MT8001 for file transfer and service</p> <p>COM 2 – Line to Touch Screen</p> <p>COM 3 – Printer for logging</p> <p>COM 4 – MK7022</p> <p>Once you have changed the COM ports in the Composer project, you will need to regenerate the XML files</p>

No.	Problem description	Solution
		and then prepare the MT8001 to receive them.
5.6	Can't access 'Service' on the MT8001: if the Service option on the MT8001 is greyed-out, it indicates that you do not have permission to access it. If you are logged on as 'Technical User' but the Service option is still greyed-out, it may mean that the Technical User profile was modified and no longer provides access to this area of the MT8001.	Please follow these steps: <ol style="list-style-type: none"> <li>1) Reconfigure your technical user to have all user permissions. In the Composer project configuration make sure that the profile has full privileges. If you forgot your logon ID or pass code, reset them in Composer.</li> <li>2) Regenerate XML files</li> <li>3) Restart the MT8001 with the keyboard and special adapter-cable. Follow the procedure described in the Technical Manual section 6.6.10, p. 53</li> <li>4) Transfer the XML files</li> </ol>
5.7	Forgot 'technical user' password	Follow the same procedure as described in the Technical Manual section 6.6.10, p. 53
5.8	Not enough RAM to make the transfer: if MT8001 does not have enough memory to copy the existing configuration, you will receive a message from Composer that says "no free ram space."	If this occurs, you can delete certain files to reduce the total size of the existing configuration. Please refer to the Technical Manual section 6.6.8 for details.
5.9	Not enough ROM to make the transfer: this message indicates that there is not enough space on the flash disk on which to write the new configuration.	In this case, you will need to free up space on the flash disk by deleting certain files. Please refer to the Technical Manual section 6.6.8 for details.
5.10	Virtual memory minimum too low: an error message telling you that your virtual memory is low may appear during processes such as configuration download. The configuration download or other processes may still be performed without problems.	Please follow these steps: <ol style="list-style-type: none"> <li>1) Ignore the problem: if you get the message, click ok and close any other open applications (besides Composer). Wait to see whether the process is completed successfully.</li> <li>2) Increase the virtual memory: if it continues to be a problem and you are forced to abort the process, you will need to increase the virtual memory: <ol style="list-style-type: none"> <li>a. From the Desktop, right-click on My Computer and select Properties.</li> <li>b. From the Advanced tab, select Performance Options.</li> <li>c. Under Virtual Memory, click "change".</li> <li>d. Increase the number.</li> <li>e. Restart the computer.</li> </ol> </li> </ol>
<b>6</b>	<b>Installing the unit</b>	
6.1	<p>Connection problems – faults don't change to normal: when the connection is functioning normally, as soon as the MT has turned on, a fault will be displayed in the event browser for each control unit that is defined in the configuration. As the communication is confirmed with each control unit, the Fault state in the Event will change to Normal.</p> <p>If there is a problem with any of the connections, one of two situations will occur.</p> <p><b>Situation 1:</b> none of the faults change to normal (MT8001-MK7022 problem)</p> <p><b>Situation 2:</b> some of the faults change to normal, but not all (MK7022-Control Unit problem)</p>	<p>For the two different situations, please follow the instructions below.</p> <p><b>Situation 1:</b> check the connection between the MT8001 and the MK7022</p> <p>Check the physical connection and that the actual local addresses, baud rates and COM port numbers match the ones in the configuration.</p> <p><b>Situation 2</b> check the connection between the MK7022 and the control unit</p> <p>If some of the faults return to normal, but not all, the problem lies somewhere in the communication between the MK7022 and the Control Unit that is still in Fault. Check the addresses of the control units.</p>

No.	Problem description	Solution
<b>7</b>	<b>Error messages</b>	
7.1	"Error writing file on WinCE"	The cable from MT8001 to service PC is disconnected: please reconnect it.
7.2	"Hardware key is missing"	The hardware key is not attached properly

## 7 Installation Kit

### MT8001 Installation Kit



#### Document Library includes:

1. MT8001 Technical manual - 006647\_b
2. MT8001 Operation Manual - 006611\_a
3. WW8000 Composer R2.01 Technical manual
4. Event History Analysis Installation & Operation manual - 006962\_a

The software kit includes the following versions:

- ⇐ Cerberus® WW8000 Composer R2.01
- ⇐ MT8001 Plug-ins (for details see chap. 2)
- ⇐ Microsoft® ActiveSync® V3.5 (English version)
- ⇐ MT8001 Event History Analysis V1.0

The hardware kit includes:

- ⇐ The Active Sync cable: a special cable to connect the Service PC to the MT8001 device to perform the file transfer procedure. The cable must be connecting a COM port of the Service PC to the first serial port of the MT8001 device (COM1).
- ⇐ The keyboard connector: a special adapter to connect a standard keyboard to the MT8001 device (for details see the par. 6.6.10 fig. 39 in the MT8001 Technical Manual).

## 8 Support links

### 8.1 MT8001

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)

### 8.2 Microsoft

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 2000.

#### 8.2.1 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>

#### 8.2.2 Microsoft ActiveSync®

For the MT8001 subsystem tool to install correctly, ActiveSync must have been installed on your PC first. If you do not have a copy of ActiveSync, you can download it from the following Microsoft® site:

<http://www.microsoft.com/MOBILE/downloads/activsync.asp>

### 8.3 Adobe Acrobat

To view the MT8001 Technical and Operation Manuals is necessary to install the program Adobe Acrobat Reader. You can find its free version at:

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



Siemens Building Technologies Spa  
FSP – Cerberus Dati  
Via Caldera 21E  
I-20153 Milano  
Tel. +39 02 4528 19.1  
Fax +39 02 4528 19.33  
Siemens intranet: [www.cdi.cerberus.ch](http://www.cdi.cerberus.ch)

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MT8001 Technical Material  
Section 1