SIEMENS
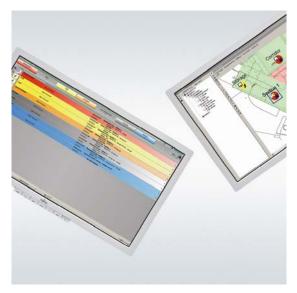

Product Datasheet

MM8000 Express
Management Station

● **MM8000 Express provides an economical solution for centralised fire alarm management and supervision of control systems.**

● **Founded on cutting-edge software technology, MM8000 Express is designed specifically for safety applications.**

● **With an upgrade to an MM8000 full functionality license, the Siemens family of danger management systems includes extended solutions for fire, and for intrusion, gas alarms, access control, video surveillance, extinguishing, and building automation systems.**

Building Technologies

Main MM8000 Express benefits
- Economical system and software solutions specifically designed for safety applications.
- Open system structure based on up-to-date market standards in areas of hardware and software technology: standard PC hardware and TCP/IP networks, Microsoft Windows© 7, XP, 2008 and 2003 operating systems, MS-SQL Server databases, AutoCAD drawing format.
- Personalisation of solutions thanks to broad configurability, including system level workstation and user profiles.
- A graphically driven interface that gives clear and immediate management of emergency situations and control operations.
- Complete scalability of all configurations, allowing need-based expansion of any system via migration to MM8000 full functionality, from small and medium systems to complex and sophisticated systems.

MM8000 Express features
A cost-effective safety management solution: secure and flexible; scalable; extensible for long-term investment; easy implementation and modification. The MM8000 Express is designed specifically for entry-level fire applications, and offers a simple and intuitive user interface.

Event treatment
The main screen of the *Event treatment* area contains a list of the events, such as alarms, that have occurred and require intervention. Events are listed in order of severity from top to bottom, and are colour-coded by type so the level of criticality is easily distinguishable.
Event lists can also be filtered to display events with certain attributes or criteria. This enables operators to display only certain types of event (for example by category).
An event list printing option is available, and the operator can choose to print all or part of the list.
Additionally, a *Maintenance mode* station setting is possible to keep a separate list for the events that are caused by technical service or tests.

Plant Browser
This tool enables you to navigate through the various levels of a facility, and manage all the points configured in the MM8000 Express installation. Navigation is performed with a user-friendly hierarchical tree view of a site, and optional graphical maps. It offers easy-to-use methods of selecting individual or multiple objects on which to perform tasks. Examples for those tasks are:
  – Turning a section or zone off or on (exclude or include)
  – Putting any point into maintenance mode
  – Putting a section or zone into test mode
  – Opening external applications for site management
  – Running pre-defined historical queries to export information stored in the history database

History Browser
The History Browser provides access to the record of each event that has occurred, including details such as who treated it and when. Custom reports are easily generated with this utility, with colour-coded event categories for easy identification of event type, and data is easily retrieved for analysis or interrogative tasks.
The History browser database of stored events can also be configured to be periodically automatically archived so that older events are not overwritten.

More features

MM8000 Express offers numerous functions that allow each system to be tailored to fit the individual customer needs. Namely:

- System security integrated with Windows (combined login)
- Advanced graphics including AutoCAD and powerful animation capabilities
- Dual-monitor displays for a combined text + graphics user interface
- Wide screen resolution support
- Online help and tool tips
- Ability to run a quick history query on a data point in the Plant Browser
- Ability to generate history query reports for automatic export from the Plant Browser
- Ability to print maps from the Plant Browser or during event treatment
- Ability to print filtered reports
- External applications accessible for enhanced site management that can be displayed on up to four monitors
- MM8000 is configurable so that events can be viewed via Internet Explorer Web server. (Display only – no commands can be sent.)
- VMware® virtual machine support
- Free two hour Demo mode

Architectural solutions – Management level configurations

Stand-alone: the easy solution for small size systems
- Single workstation that contains all software levels (client, server, communication)

Peer-to-peer: the natively redundant solution
- A second independent workstation that contains all software levels (client, server, and communication)
- Each station autonomous and independent; databases are not shared

➜ For details on hardware architecture, including MM8000 full functionality, see the *MM8000 System Description* (Doc. # A6V10062417)

Technical data

Hardware requirements	x86 (32-bit) CPU	2.4 GHz or faster
	x64 (64-bit) CPU	Intel i5 or better processor
	RAM Memory	2 GB or higher
	Hard disk	100 GB
	CD-Rom or DVD	1
	LPT Port	Optional
	LAN Connections	10/100/1000 MB Ethernet
	Keyboard and pointing device	Standard keyboard; mouse or trackball
	COM or LAN network printer	Optional
	COM Port	Optional
	USB or parallel port + SW protection Key provided by IC BT	1
	Video adapter	Dynamically supported screen resolutions from 1024x768 and higher **Note 1:** 1180x885 used by ESX VMware **Note 2:** 2nd adapter (or dual port) optional
Software requirements	Microsoft Windows 7 Professional, Ultimate, or Enterprise Edition x86 (32-bit) or x64 (64-bit)	SP1
	Microsoft Windows XP Professional x86 (32-bit)	SP3
	Microsoft Windows 2008 Server Standard or Enterprise x86 (32-bit)	SP1 or SP2
	Microsoft Windows 2008 Server R2 Standard or Enterprise x64 (64-bit)	SP1
	Microsoft Windows 2003 Server Standard or Enterprise x86 (32-bit)	SP1 or SP2
	MS SQL Server 2005 Express x86 (32-bit) + MS SQL Backward Compatibility Pack	SP3 Available on the DMS8000 product CD
	MS SQL Server 2008 R2 x86 (32-bit) or MS SQL Server 2008 R2 Express x86 (32-bit) or MS SQL Server 2005 x86 (32-bit)	Not available on DMS8000 product CD N/A on product CD SP3; N/A on product CD **Note:** 64-bit SQL installation not supported (both SQL Server 2005 and 2008)

Software requirements (cont'd)	SQLXML 3.0 SP3	Available on the DMS8000 product CD
	.NET Framework V2.0	Available on the DMS8000 product CD
	Windows® Internet Explorer V6 / V7 / V8 / V9	Required for printouts
	Internet Information Services (IIS)	Required for event viewing via Web server.
	VMware virtualisation software support: – VMware Server V1.04 – VMware Workstation V5.5 – ESX V3.5	For additional information, see the *MM8000 Release Notes* (doc. # A6V10062509)
	EMC Monitoring Service	Configurable performance reporting tool: ● Stores all events in a central database ● Provides standard reporting from data monitoring Subsystems supported: FS20/FS720

Technical characteristics

System dimensions	MM8000 Express station(s)	1 (Stand-alone) 2 (Peer-to-peer configuration)
	MM8000 Web server/client(s) (Windows XP SP3 or Windows 7 SP1)	Event viewing only. **Technical Notes** – Up to 10 Web clients supported. (Limit 5 Web clients when combined with 6-10 standard clients - max. of 15 total.) – Username and password encrypted. – Windows IE V8/V9 support only.
	Subsystems	Max. 4
	Points	Max. 2,000 physical data points
	Graphic files	1,000
	Graphic file layers	200 per file
	Graphic symbols displayed	Up to 400 per map is recommended for good visibility and performance (note that no fixed limit is present)
	On-line registrations in historical archive	500,000 **Note:** For best performance, limit registrations to 100,000.
	Operators	1,000
	Operator groups	50
Subsystems supported	FS20 Sinteso™/FS720 Cerberus© PRO	
	STT20 (système de télécommande et télésignalisation)	● LAN configuration / BACnet

Details for ordering

To suit your system, MM8000 Express allows different types of system configurations:
● Single (Base) Station
● Dual (Base) Stations (peer-to-peer)

The same flexibility is provided at license level to scale the system to size and complexity. The license price for MM8000 Express is determined by the following criteria:
● 1 subsystem / 500 data points
● 2 subsystems / 1,000 data points
● 4 subsystems / 2,000 data points

To facilitate the ordering and calculation, a pre-defined *MM8000 Project sheet* must be filled in for *every* MM8000 Express project.
Note: You can upgrade to the full functionality of MM8000 at any time. For product details see the *MM8000 Datasheet* (Doc. # A6V10062415)
➔ Contact your local sales distribution centre.

Export restrictions

Cryptographic algorithms

Cryptographic export control regulations currently prohibit shipping and installing MM8000 Express software in the following countries: **Cuba, Iran, North Korea, Rwanda, Sudan, and Syria.**