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m60 Series

The Advanced Traffic Controller for NEMA-style cabinets



Description

The Siemens m60 series complies with the industry's latest Advanced Traffic Controller (ATC) standard 5.2b. Built on the proven m50 hardware architecture, combined with powerful industry-leading SEPAC software, the Linux-based m60 series provides a host of functions to meet the needs of traffic

agencies of all sizes. The m60 series provides multiple Ethernet, USB and other industry-specific interfaces, facilitating both backwards and forwards compatibility. The m60 series also enables easy hosting of third-party applications. In addition, the m60 series exceeds industry standards by providing usability features that include the new Siemens Multiview Display concept (SMD) with real-time active status, context-sensitive HELP screens and user-programmable favorite buttons. The m60 series is truly a nerve center for the connected intersection of the future.

Features

- Exceeds ATC standard 5.2b compliance
- Active TFT backlit LCD display with Siemens Multiview Display Technology
- Modular ATC Communications hub
- Convenient field upgrade packages
 - Linux upgrade package
 - m50 USB upgrade package
 - m60 ATC upgrade package
 - m60 NEMA upgrade package

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Benefits

The Siemens m60 series ATC provides a vast array of benefits compared to other similar products in the industry.

At the heart of the m60 series ATC is the Siemens Multiview Display (SMD) concept. The SMD provides the user with multiple time-saving mechanisms to operate and program traffic controllers. For ease of operation, the 16 line display is split into an active programming view at the top and a dynamically updated active status view – or the context-sensitive HELP – at the bottom. This dual view enables users to dynamically visualize the impact of their programming changes on the overall efficiency of the intersection.

In addition, the ability to program customized function buttons to a specific menu item ensures quick navigation, making the operation of an m60 series ATC fast and efficient.

Having built upon the proven Siemens m50 hardware platform, the m60 series ATC offers a range of possibilities to address financial and technological constraints faced by traffic agencies.

Controllers by Siemens

Central Processor Unit (CPU)

- Open architecture platform with standard Linux operating system
- MPC 8270 266MHz processor
- 512MB FLASH, 64MB DRAM and 2MB SRAM
- TOD Clock with automatic daylight savings time adjustment
- Power supply will power the SRAM during power failures
 - Supports SEPAC controller software
 - SD memory card
 - Operating System: Linux 2.6.39

Keyboard and Display

- Siemens Multiview Display with dual view screens
 - 5 1/8 inch active TFT display
 - Easily removable display and keypad
 - Easily identifiable, discrete HELP button
 - Real-time context sensitive HELP screens
 - User programmable function buttons F1 to F5
- Removable LED backlit LCD with 16 lines of 40 characters with adjustable contrast
- Emulation of terminal per Joint NEMA/AASHTO/ITE Standard
- Key quantity and function per Joint NEMA/AASHTO/ITE Standard

m60 ATC Communications Module

- 10 Base-T Ethernet with built-in switch and 4 front panel RJ-45 connectors
 - ENET1 and ENET2 network switches
 - 5 10/100 TCP/IP ports
- 4 USB 2.0 Ports and a Datakey Port
- Dedicated GPS - SP8 Port (9pin EIA-574)
- Unique MAC address assigned by the Institute of Electrical and Electronic Engineers (IEEE)

- EIA-232 port for uploading/downloading applications software and OS updating
- Single and multi-mode fiber optic options
- 1200 bps Frequency Shift Keying (FSK) modem (optional)
 - Datakey



Communication

- SDLC
- Serial Port
- FSK Modem

Hardware Specifications

- Dimensions
- Power Supply
- Temperature

Controller Housing

- 7 slots with card guides for standard size Versa Modules
- 2 slots with card guides for standard Joint NEMA/AASHTO/ITE ATC modems (optional) or ATC Communication Module or USB Plate
- Polycarbonate construction (excluding back panel), rear mounting tabs and aluminum power supply mounting plate for electrical grounding
- Carrying handle

All Siemens controllers and accessories are built with the highest standards in quality and manufacturing. With a long standing history of technological innovations, well renowned customer service, and high quality products and services, Siemens is the leader in traffic technology products and solutions. For more information on our product line see our website at www.usa.siemens.com/mobility.

Material	Description
m60 Series Controllers	
8133-0004-sss ³	m62 ATC - Siemens Multiview Display (16x40) - ATC Communications Module - ATC Backplane - m60 Linux Engine Board - m60 Power Supply - m62 Field I/O Board
8133-0000-sss ³	m62 ATC Lite - Siemens Multiview Display (16x40) - ATC Backplane - m60 Linux Engine Board - m60 Power Supply - m62 Field I/O Board - USB Plate
8132-xx ¹ yy ² -sss ³	m62 NEMA - Siemens Multiview Display (16x40) - m60 Linux Engine Board - m60 Power Supply - m62 Field I/O Board - USB Plate
1 - Communication Options 2 - Options 3 - Software version code number	
m60 Series Optional Modules	
AAD17048-001	ATC Communications Module
FFS15127-002	Single USB Plate for m60 ATC Lite and m60 NEMA
Software Options	
MBU15805-456	SEPAC NTCIP Linux version 4.56
MBU16037-356	SEPAC ECOM Linux version 3.56
m60 Series Upgrade Kits	
MBV17084-001	m50 OS-9 to m50 Linux Upgrade Kit - m60 Linux Engine Board - m62 Field I/O Board - USB Plate
MBV17085-001	m50 OS-9 to m62 NEMA Upgrade Kit - Siemens Multiview Display (16x40) - m60 Linux Engine Board - m62 Field I/O Board - USB Plate
MBV17086-001	m62 NEMA to m62 ATC Upgrade Kit - ATC Communications Module - ATC Backplane - m60 Power Supply
m60 Series Modules and Spare Parts	
AAD17047-001	Siemens Multiview Display (16x40)
AAD14877-006	m60 Power Supply
AAD17048-001	ATC Communications Module
PXX07659-001	m60 Linux Engine Board
ACP17049-001	ATC Backplane

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