SIEMENS

m60 Series ATC

The Advanced Traffic Controller for NEMA-style cabinets

provides multiple Ethernet, USB and other industry-specific interfaces, facilitating both backwards and forwards compatibility. The m60 series ATC also enables easy hosting of third-party applications. In addition, the m60 series ATC 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 ATC is truly a nerve center for the connected intersection of the future.

Description

The Siemens m60 series ATC 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 ATC provides a host of functions to meet the needs of traffic agencies of all sizes. The m60 series ATC

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

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.

Material	Description
m60 Series Basic Controller	
TYZ:EPAC6138M62	NEMA m62 Controller - Base Unit w/o Communication Modules, Optional Modules or Software Options - 16 Line Multiview Display - Linux Processor
Communication Modules	
TYZ:AAD16481-002	2070-7A Module RS232 TEES 2009
ACP15026P001	Internal FSK Modem - Half Duplex
TYZ:AAD15026-002	Internal FSK Modem - Full Duplex
TYZ:AAD15288-013	Port 3 RS232 Module - Datakey 8MB
TYZ:AAD15288-014	Port 3 RS232 Module - SMF Module - Datakey 8MB
TYZ:AAD15288-015	Port 3 RS232 Module - MMF Module - Datakey 8MB
m60 Series Optional Modules	
TYZ:AAD17048-001	m60 ATC Communications Module
TYZ:PDM08602-001	USB Plate for standard NEMA
Software Options	
TYZ:MBU15805-455	SEPAC NTCIP LINUX VERSION 4.55
TYZ:MBU16037-355	SEPAC ECOM LINUX VERSION 3.55
m60 Series Upgrade Kits	
TYZ:MBV17084-001	M50 LINUX UK - m50/m60 Linux Engine Board - m50 Field I/O Board w USB
TYZ:MBV17085-001	m62 NEMA UK - m52 OS9 to m62 Linux Upgrade Kit - Linux Processor - 16 Line Multiview Display - Field I/O Board Rev 2.1 - USB Plate
TYZ:MBV17086-001	m62 ATC UK - m62 NEMA to m62 ATC Upgrade Kit - m60 ATC Communications Module - m62 Backplane - m60 Power Supply - Cable Set
m60 Series Modules and Spare Parts	
TYZ:AAD17047-001	m60 16 Line Display
TYZ:AAD14877-006	m60 Power Supply Module
TYZ:AAD17048-001	m60 ATC Communications Module
PXX07659-001	m50/m60 Linux Engine Board
TYZ:ACP17049-001	m60 Backplane