

**SIEMENS**  
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# m60 Linux Series Controllers

## Advanced Traffic Controllers for ATC and NEMA

The Siemens m60 Linux Series controllers complies with industry's latest standards, with variants compatible for ATC (Advanced Traffic Controller) and NEMA (National Electrical Manufacturers Association) standards.

Built on the proven m50 hardware architecture and combined with state-of-the-art SEPAC traffic controller software, the m60 controllers are Linux-based, with a number of functions to meet the needs of traffic agencies of all sizes.

The m60 series controllers provide multiple Ethernet, USB and other interfaces to facilitate backwards

compatibility. The field devices also enable easy hosting of third-party applications, exceeding industry standards by providing usability features that include the new Siemens Multiview Display concept of real-time active status, context-sensitive HELP screens and user-programmable favorite buttons.



## General features

- Linux operating system
- Operates in both TS-2 Type 1 and 2 cabinets
- 64MB DRAM, 512MB FLASH, 2MB SRAM
- Five RJ-45 Ethernet connectors
- 4 Port USB hubs
- Active TFT backlit LCD display
- Siemens Multiview Display technology designed for the everyday user in mind
- m50 USB upgrade package available
- Compatible with SEPAC traffic controller software

## ATC variant

- Exceeds ATC 5.2 standard compliance
- Modular ATC communications hub
- m60 ATC upgrade package available

## NEMA variant

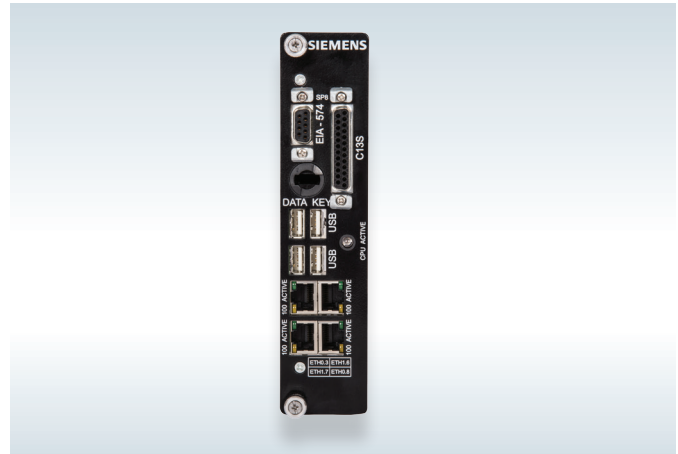
- Exceeds NEMA TS-2 requirements
- m60 NEMA upgrade package available

## 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 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)

## 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

## Parts List

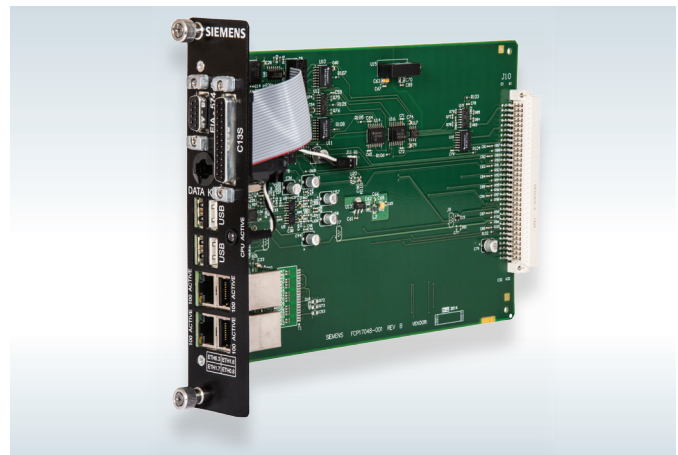
Controllers	
m62 ATC	8133-0004-SSS
m62 ATC Lite	8133-0000-SSS
m62 NEMA Linux, No Software	8132-0000-000
m62 NEMA Linux No Communications, Any Software	8132-0000-SSS
m62 NEMA Linux Any Communications, Any Software	8132-YYZZ-SSS

Upgrade Kits	
m62 NEMA Linux to M62 ATC Armadillo Upgrade Kit*	MBV17086-SSS
m52 OS9 to M62 NEMA Linux Armadillo Upgrade Kit	MBV17085-SSS
m52 OS9 to FIO/USB and Armadillo Upgrade Kit	MBV17084-SSS
m52 OS9 to Linux Armadillo Upgrade Kit	MBV17046-SSS

Modules and Spare Parts	
m60 16 Line Display	AAD17047-001
m60 Power Supply Module	AAD17098-001
ATC Communications Module	AAD17048-001
Field I/O Module	ACP16826-002
m60 Backplane	ACP17049-001

Accessories	
Datakey and 2 PORT3 RS232 for OS9 Standard (P001)	AAD15288P001
Datakey for OS9 Standard (P002)	AAD15288P002
2 PORT3 RS232 for OS9 Standard (P003)	AAD15288P003
Datakey and 2 PORT3 RS232 for OS9 FSK 2-Wire (P004)	AAD15288P004
Datakey for OS9 FSK 2-Wire (P005)	AAD15288P005
2 PORT3 RS232 for OS9 FSK 2-Wire (P006)	AAD15288P006
Datakey and 2 PORT3 RS232 for OS9 MMF (P010)	AAD15288P010

\* = Factory upgradeable only



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