Ocean State Signal Co.
27 Thurber Blvd • Smithfield, RI 02917
(401) 231-6780 • Fax: (401) 231-4390

SPECIFICATION SHEET

TITLE: m60 Series ATC
Advanced Traffic Controller

SIEMENS

PART NO.:
m60 ATC Series Controller

m60 ATC Controller

NEMA TS2 Type 2 Controller
Meets ATC 5.2b[1]
ATC Comm. Module[1a]
MultiView Display
Linux Processor[2]
ATC Backplane
Compatible with SEPAC 3.55/4.55

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 screen
    - 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

Communication
- SDLC
- Serial Port
- FSK Modem

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

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 CP/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

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 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.

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.

Notes:
1: Meets most of the ATC 6.0.1 draft standard as well
1a: The current version of M60 ATC is not compatible with a 2070-71 communication module.
2: Siemens KV2 Linux Enginet Board