

EAGLE Traffic Control Systems

presents



EPAC M50



A look at the advanced EPAC M50...

The EPAC M50

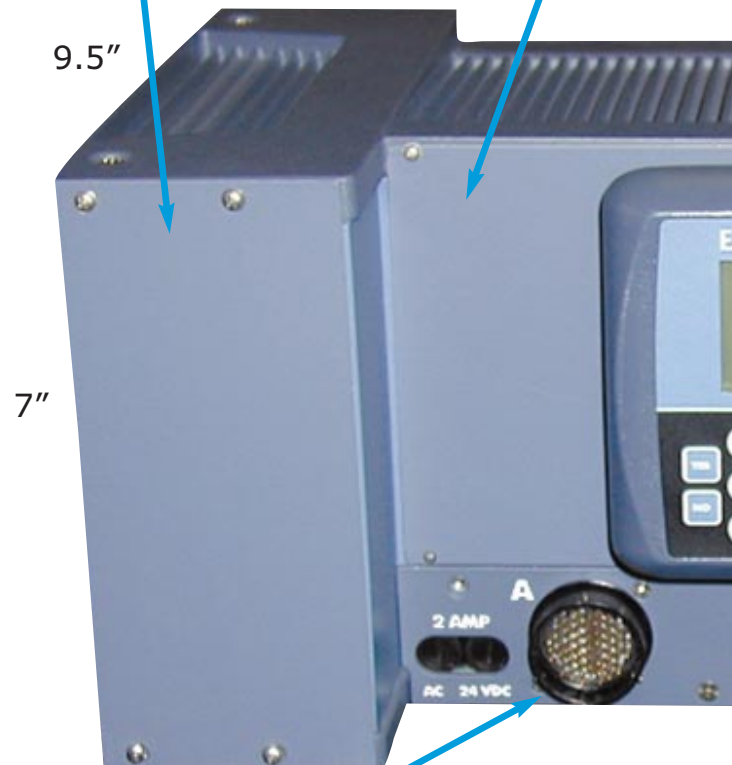
- EXCEEDS both NEMA TS 1-1989 and TS 2-1998 Actuated Controller Unit Standards

New Features

- Infrared port for communicating with laptop computers and PDAs
- 8 MB of flash memory - New versions of software can be downloaded rather than changing out EPROM chips
- Removable hand-held front panel display snaps to front of unit or connects via cable for ease of programming and portability
- Ethernet port
- LED backlit display offers brighter and crisper characters and requires less power than previous models
- Injection molded, high impact polycarbonate case makes the EPAC M50 much lighter than other NEMA controllers
- Molded handle makes the M50 easy to carry
- Convection cooled with vent slots in the back and openings along the bottom
- Grounding metal feet in back
- Adjustable rubber feet in front to allow the user to change the angle of the display for better viewing, to minimize the height to fit into tight spaces, or to permit extra space for easier access to the round connectors

Standard ATC Modem Option

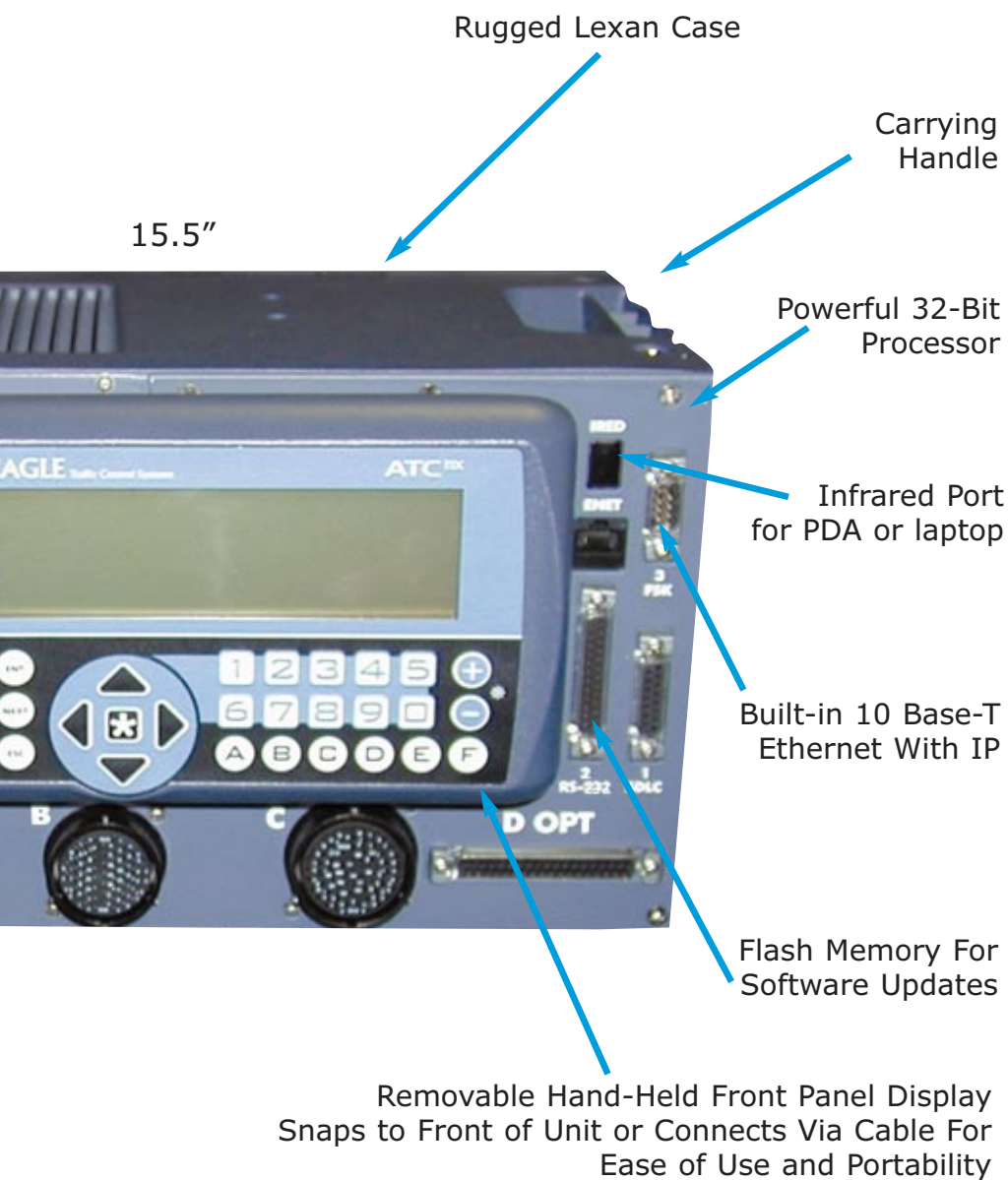
Expansion Slots



NEMA TS-1, TS-2 Type 1, Or TS-2 Type 2 Cabinet Connectors

Other Features

- Removable display unit displays 8-lines, 40 characters/line
- Compatible with multiple modem types
- TS-1, TS-2 Type1, and TS-2 Type 2 configurations available
- Expansion slots
- Standard ATC Modem option
- User specified security code required to alter data



Traffic Operations

Six Modes of Coordination

- Permissive Mode
- Yield Mode
- Permissive Yield Mode
- Permissive Omit Mode
- Sequential Omit Mode
- Full Actuated Mode

Adaptive Traffic Control

- 16 Vehicle Phases
- 16 Pedestrian Phases
- 4 Timing Rings
- 16 Overlaps
- 80 Detectors

Preemption/Priority

- 6 Preempt Routines
- 6 Priority Routines

Reports

- Extensive report capability
- Each report includes the Date and Time of occurrence

Time Base Control

- 250 Events for the control of Pattern Selection, Free, Flash, Dimming, Detector Diagnostic Parameters, System Detector Logging, 3 Auxiliary Functions, 8 Special Functions, 16 Traffic Functions
- 99 Day Programs
- 10 Week Programs

Diagnostics

- Resident diagnostic program includes:
 - Monitor Compatibility
 - Monitor Field Status
 - Cycling Diagnostics
 - Detector Diagnostics
 - Port 1 Message Display
 - Port 2 Comm Status Display
 - Port 3 Comm Status Display
 - Hardware I/O Status Display
 - MMU Status Display

Specifications

Physical Dimensions:

7"H x 15.5" W x 9.5" D

177mm H x 394mm W x 241mm D

Temperature Range:

-30°F to +165°F

-34°C to +74°C

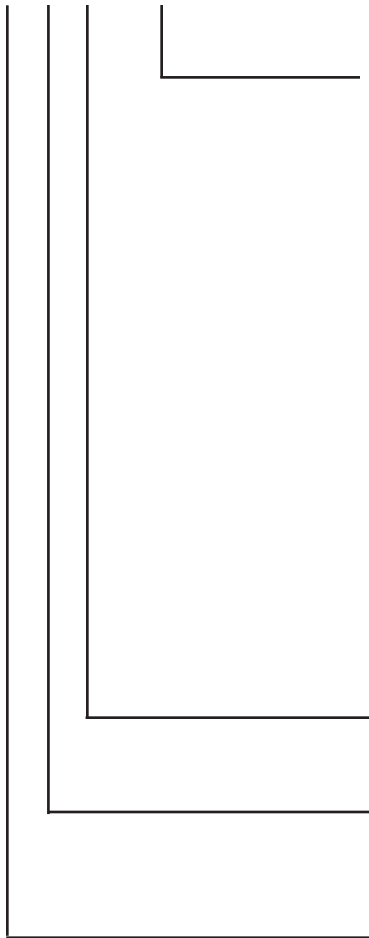
Power Consumption:

25 Watts (typical)

120 Watts (maximum)

Models

EPAC3 **1 0 8 M50** Actuated Controller



M50 - TS 1 (25 MHz Unit)
M52 - TS 2 Type 2 (25 MHz Unit)
 Includes: **MSA, MSB, and MSC Connectors**

- Port 1 (SDLC 15P)
- Port 2 RS 232 (25P)
- Port 3 "D" Conn (37P)
- Port 3 (FSK 9P)
- Infrared port
- Ethernet port

M51 - TS 2 Type 1 (25 MHz)

- Includes:
- Port 1 (SDLC 15P)
 - Port 2 RS 232 (25P)
 - Port 3 RS 232 (9P)
 - Port 3 (FSK 9P)
 - Infrared port
 - Ethernet port

Number of Phases

8 = 8/16 Phases

Option B

- 0 = None**
- 7 = SCOOT**

Option A (Port 3 options)

- 1 = Standard**
- 4 = Port 3 FSK 4 wire**
- 5 = 9600 baud**
- 6 = Port 3 FSK 2 wire**
- 7 = Port 3 Fiber Modem (single mode)**
- 8 = Port 3 Fiber Modem (multi mode)**

Unit can be ordered without hand-held display unit.
 Hand-held display can be ordered as a separate item.

Intelligent Transportation Management

EAGLE's system products reflect the latest in computer and software technologies. A leader in the traffic management and control industry, we are capable of supplying an entire system from software to signal heads.

EAGLE Traffic Control Systems
 A Business Unit of Siemens Energy & Automation, Inc.

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