

SWARCO

# McCain ATC FLeX<sup>®</sup> CONTROLLER



The McCain ATC FLeX Controller is part of SWARCO McCain, Inc.'s widely-adopted ATC eX Controller Series. Built in full compliance with the ATC 6.25 standard, the McCain ATC FLeX Controller is perfectly designed for any ATC, Caltrans, and NEMA cabinet. The rugged and powerful controller is available in shelf and rack mount versions, and it includes a host of features offering flexibility to agencies as their needs evolve.



## KEY BENEFITS

- Displays multiple status screens at the same time
- Provides local remote access for technical support
- Compatible with ATC, CALTRANS and NEMA cabinets
- Creates extra space in traffic cabinet and allows for a small cabinet footprint
- Supports application software from multiple vendors

## PRODUCT DESCRIPTION

The McCain ATC FLeX Controller is equipped with an oversized, 16-line screen that features auto-contrast, making the screen legible in all conditions. Split-screen options allow users to view the operational status of the intersection and make timing adjustments simultaneously.

The controller's front panel design makes it easy to connect, program, and update the unit in any environment. Quick data transfers, firmware upgrades, and log retrievals can be completed via USB port directly from the front panel. Optional integrated wireless connectivity allows users to access local software through a web interface<sup>1</sup>.

The McCain ATC FLeX Controller has a robust Linux operating system that provides a flexible, open-architecture that can support software from multiple vendors. For applications including intersection control, ramp metering, arterial master, or reversible lane control, check out SWARCO McCain's Omni eX<sup>®</sup> Intersection Control Software<sup>2</sup>.

# McCain ATC FLeX CONTROLLER

## STANDARD FEATURES

### Operating System

- Linux

### Microprocessors

- Freescale PowerQUICC II Pro microprocessor

### Memory

- 1GB Main Memory
- 128 MB NAND Flash
- 16 MB NOR Flash
- 2 MB SRAM

## APPLICABLE STANDARDS

- NEMA TS 2-2003 v2.06
- ATC 6.25

## OPTIONS

- Custom D connectors
  - ATC FLeX NEMA TS 2 Type 2 configurations<sup>3</sup>
- International Input Voltage: 190 VAC to 253 VAC, 50 Hz (±3 Hz)

## INTERFACES

### Communication Interfaces

- SDLC ports (2)
- Serial (ASYNCR) on front panel (3)
- ENET 1: 100 Base-T Ethernet switch, 1 uplink, and 1 additional port
- ENET 2: 100 Base-T Ethernet port dedicated for local communications
- Wi-Fi enabled (optional); uses ENET 2

### Front Panel Interfaces

- Display: 16 lines x 40 characters
- Keyboard: 7 x 4 keypad (28 key)
- Datakey
- USB ports (2)
- SD Card Slot

### Cabinet Interfaces

- ATC cabinets
- Caltrans cabinets
- ITS cabinets
- NEMA cabinets

## SOFTWARE

Compatible with McCain Omni eX<sup>®</sup> Intersection Control Software<sup>2</sup> as well as third party software.

## GENERAL SPECIFICATIONS

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Compatibility	ATC Cabinet	Caltrans	NEMA TS 2 Type 1	NEMA TS 2 TYPE 2
Dimensions <sup>4</sup> :	12.5"W x 5.25"H x 7"D	19"W x 5.25"H x 7"D	12.5"W x 7.75"H x 7"D	12.5"W x 8.75"H x 7"D
Form Factor:	Shelf mount configuration and EIA rack mount compatible			
Power:	89 VAC to 135 VAC, 60 Hz (±3 Hz)			
Environment:	Operating Temperature: -34°C to +74°C   Humidity: 0 to 95% (non-condensing)			
Weight <sup>5</sup> :	7.1 lbs	8.1 lbs	7.45 lbs	8.25 lbs

### VIEW

Front:



<sup>1</sup>For users with Wi-Fi option, proper network, and software.

<sup>2</sup>See separate data sheet for details.

<sup>3</sup>For CALTRANS, SIEMENS EPAC, Traconex 390. More options available.

<sup>4</sup>Dimensions rounded to the nearest .01"

<sup>5</sup>Approximate

SWARCO reserves the right to make changes at any time in order to supply the best product possible.

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