

OPTICORE MS-XP48

I/O Point Expander

The OEMCtrl® OptiCORE™ MS-XP48 expander provides up to 12 additional I/O points for the SS-683ETX controller. Flexible and versatile, the OptiCORE controller and expander combine to accomplish both common and custom controls strategies.

OptiCORE I/O expander is designed for flexible panel configurations. They are DIN rail or screw-tab mountable for easy installation.

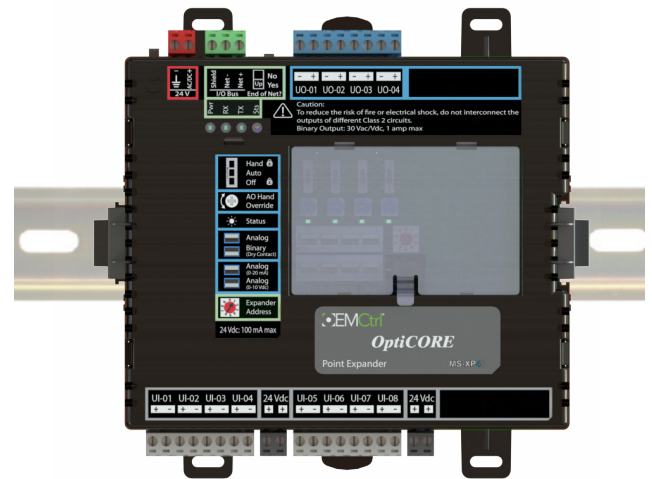
The expander can be remotely mounted up to 1000' away to the SS-683ETX controller.

Key Features and Benefits

Hardware Features

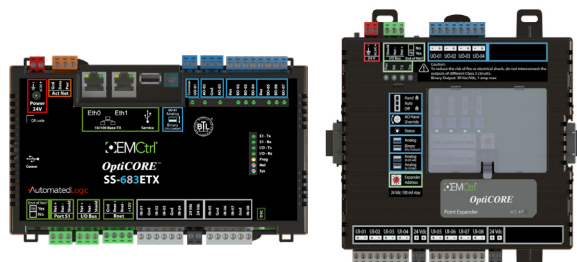
- Expands the OptiCORE SS-683ETX to support up to 29 I/O points
- Backplane mounting via screw tab or DIN rail mounting
- Removable screw terminals for I/O connections
- Hand-Auto-Off switches on all output channels
- Software selectable input configuration - no jumpers
- Color-coded I/O and easy to read labeling minimizes wiring errors
- LEDs for each output for easy identification of output status whether configured as an AO or DO
- LEDs for status indicators for Power, I/O Bus RX and TX, Status.

OptiCORE MS-XP48



Part#	MS-XP48
Universal Outputs	4

OptiCORE
SS-683ETX +
MS-XP48
expander



Universal Inputs	8
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Specifications

Power	24 Vac \pm 10%, 50-60 Hz, 50 VA, 26 Vdc \pm 10%, 12 W, Single Class 2 source only, 100 VA or less	
Physical	Fire-retardant plastic ABS, UL94-5VA, Weight: 1 lb. 1 oz. (0.49 kg)	
Operating Range	-40° to 158° F (-40° to 70° C); 10 to 90% relative humidity, non-condensing Note: Install in a UL listed enclosure only	
Communication Ports	IO Bus port: Provides up to 1000 ft (305 m) communication for wired remote MS-XP48 expander that are powered by external power supplies IO Bus edge connector: Not supported on this product model	
Inputs	MS-XP48: 8 inputs	Inputs software configurable for 0-5 VDC, 0-10 VDC, 0-20 mA, thermistor, dry contact or pulse counter. Inputs are 16 bit A/D and support up to 40 pulses per second (12.5 msec min. pulse)
Outputs	MS-XP48: 4 outputs	Outputs can be set as analog or binary outputs Analog outputs can be used for 0-10 VDC, 0-20 mA (12 bit D/A) Binary outputs have a built-in relay and can be used to switch external devices or relays up to 1A, 30Vac/Vdc HAO (hand/auto/off) switches are on each output, including potentiometers for manual adjustment of analog outputs
Protection	<ul style="list-style-type: none"> 5mm x 20mm glass fuse A 2A fuse for the MS-XP48 expander's power 	
Status Indicators	LEDs indicate status of communications, power, running, errors, and outputs	
Compliance/Listing	United States: FCC compliant to Title CFR47, Part 15, Subpart B, Class A; UL Listed, File E143900; CCN PAZX, UL916, Energy Management Equipment; AS/NZS: RCM Mark, IEC 61000-6-3; Canada: UL Listed File E143900, CCN PAZX7, CAN/CSA C22.2 No. 205 Signal Equip., Industry Canada Compliant ICES-003, Class A; CE Mark Compliant with 2014/30/EU, and RoHS Compliant: 2015/863/EU; UKCA Mark compliant with Electromagnetic Compatibility Regulations 2016 – Gov. UK and RoHS for Electrical and Electronic Equipment 2012, REACH compliant	

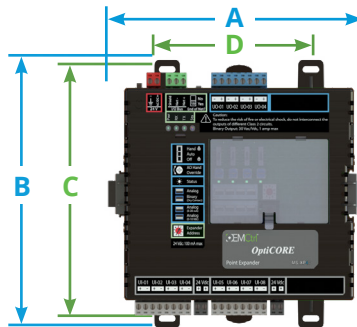


Dimensions Overall

- A:** 6.9 in. (17.53 cm)
- B:** 6.95 in. (17.65 cm)
- Depth:** 2.09 in. (5.31 cm)
- Weight:** 1.1 lbs (0.49 kg)

Screw Mounting

- C:** 6.45 in (16.38 cm)
- D:** 4.1 in. (10.4 cm)



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