

Specifications

ECM DIO8

eBUS control interface

eBUS control port	(1) 3.5 mm captive screw connectors, 4 pole
eBUS pin configuration	+V = +12 VDC; +S = + signal; -S = - signal; G = ground
Recommended cable type	Extron STP20-2/1000 or STP20-2P/1000 cable
Maximum system cable length	1000 feet (305 meters) sum total for the eBUS system, regardless of topology. Power injection may be required depending on system cabling topology and primary power supply wattage. See the <i>eBUS Technology Reference Guide</i> for details.

Digital I/O control

Quantity/type	8 digital input/output (configurable) referenced to ground
Connectors	(10) 3.5 mm direct insertion captive screw connectors
Digital inputs	
Input voltage range	0 to 24 VDC
Input impedance	≥10k ohms, typical
Programmable pullup	2k ohms to +5 VDC
Threshold low to high	≥2.8 VDC
Threshold high to low	≤2.0 VDC
Digital outputs	250 mA sink from 24 VDC max.
Pin configuration	1,2,3,4,G,5,6,7,8,G, where 1,2,3,4,5,6,7,8 = digital inputs/outputs 1 through 8; G = ground

+24V DC Power Output

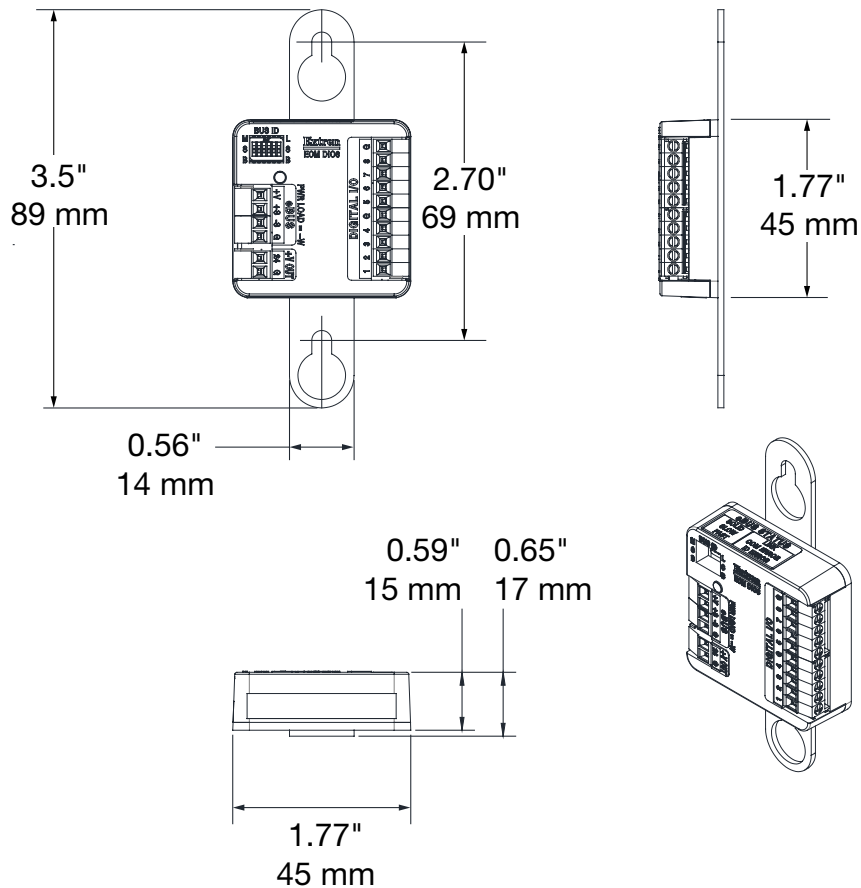
Quantity/type	(1) 24 VDC output
Connectors	(1) 2-pole, 3.5 mm direct insertion captive screw connector
Power	100 mA max.

Software and control options

Configuration software	Global Configurator Plus and Professional
Programming software	Global Scripter
Utilities	Toolbelt

General

Power	12 VDC (Power is supplied by an Extron IPCP Pro series control processor or optional power supply).
Power consumption	4.5 W
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Thermal dissipation	5.0 BTU/hr
Mounting	Rack mount (with included universal bracket), junction box, or under table
Enclosure type	Plastic



Enclosure dimensions

Device and mounting frame	3.50" H x 1.77" W x 0.60" D (89 mm H x 45 mm W x 15 mm D)
Device	1.77" H x 1.77" W x 0.60" D (45 mm H x 45 mm W x 15 mm D)
	1.77" H x 1.77" W x 1.00" D (45 mm H x 45 mm W x 25 mm D) including captive screw connectors
	(Allow enough depth in the junction box for device and cable clearance.)
Product weight	0.1 lb (<0.1 kg)
Regulatory compliance.....	CE, C-Tick, c-UL, FCC Class A, ICES, RoHS, UL, VCCI class A, WEEE
Accessibility.....	Complies with the appropriate requirements of Section 508 of the Rehabilitation Act (29 U.S.C. 794d).
Warranty	3 years parts and labor

NOTES:

- All nominal levels are at $\pm 10\%$.
- Specifications are subject to change without notice.
- Shipping dimensions and weights are available at www.extron.com.

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