EA-ECOM ETHERNET COMMUNICATIONS MODULE

3505 HUTCHINSON ROAD CUMMING, GA 30040-5860, USA

The EA-ECOM communication module is compatible with EA9 *C-more* and EA3 *C-more* Micro panels that have an expansion port on the back as shown below. It adds an Ethernet (RJ45) port for programming and PLC communications at 10/100 Mbps.



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Warning: This procedure should only be performed by qualified personnel who are experienced in working with electronic equipment. Take the necessary steps to prevent damage that may be caused by static electric discharge. Disconnect input power to the touch panel before proceeding.

NOTE: FOR C-more Micro, software and Firmware version 4.0 or later is required. For C-more, software and Firmware version 6.50 is required. These are available for download free at www.automationdirect.com





Disconnect power from the panel by unplugging the AC power connector. Remove the Expansion Port cover from the rear of the EA9 or EA3 series panel.

Align the EA-ECOM Ethernet module with the Expansion Port and firmly press the EA-ECOM in place.



Secure the EA-ECOM by tightening the two captive mounting screws to a torque of 50 oz-in [0.35 N-m].



Plug in an Ethernet communications cable and reconnect the DC power connector to the panel.

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EA-ECOM Specifications			
Part Number	EA-ECOM		
Operating Temperature	0 to 50 °C (32 to 122 °F) Maximum surrounding air temperature rating: 50 °C		
Storage Temperature	−20 to +60 °C (−4 to +140 °F)		
Humidity	5–95% RH (non-condensing)		
Environmental Air	For use in pollution degree 2 environment		
Vibration	IEC60068-2-6 (Test Fc), 5-9 Hz: 3.5 mm amplitude, 9-150 Hz: 1.0G, sweeping, at a rate of 1 octave/min. (±10%), 10 sweep cycles per axis on each of 3 mutually perpendicular axes		
Shock	IEC60068-2-27 (Test Ea), 15 G peak, 11ms duration, three shocks in each direction per axis, on 3 mutually perpendicular axes (total of 18 shocks)		
Noise Immunity	NEMA ICS3-304 RFI, (145 MHz, 440 MHz 10 W @ 10 cm) Impulse 1000 V @ 1 μs pulse		
Emission	EN55011 Class A (Radiated RF emission)		
Agency Approvals	CE (EN61131-2), UL508, CUL Canadian C22.2 To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page		
UL508 Requirements	All interface ports are intended to be connected to an isolated secondary circuit.		
Power Comsumption	Max 0.66W (200mA 3.3 VDC)		
Input Voltage	3.3 VDC (from panel expansion connector)		
Fuse	None		
Supply Connector	Panel expansion connector		
Mounting Torque	50 oz·in [0.35 N·m]		
Weight	0.23 lb [105g]		

Ethernet Communication Interface Specifications						
Standard Specification	Conforms to IEEE802.3					
Communication Speed	10/100 Base-T (Automatic Negotiation)					
Cable Specification	Category 5					
Auto MDI / MDI-X	Yes					
Connector Type	RJ45					
	LINK / ACT					
	Color	ON	OFF	Blink		
Status Lamp	Green	LINK (Always ON)	-	ACT		
		Properly connected to network	Not connected to network	Active Network Data		

Communication Drivers					
C-more	C-more Micro				
Supports all C-more Ethernet drivers	AutomationDirect Productivity Series Ethernet				
	AutomationDirect Do-more / BRX Ethernet				
	AutomationDirect CLICK Ethernet				
	AutomationDirect ECOM Ethernet				
	Modbus TCP/IP				
	Allen-Bradley EtherNet/IP (Client) SLC5/05				
	Allen-Bradley EtherNet/IP (Client) ENI Adapter				
	Allen-Bradley EtherNet/IP (Client) MicroLogix 1100/1400				