

# C-more Micro 6-inch TFT EA3 Touch Panel

Model **EA3-T6CL** **C-more** 6-inch Micro touch panel has a 5.7-inch TFT LCD 320 x 240 pixel display and a palette of 32K colors for customizing objects, screen backgrounds and displaying bitmap graphics. It features five user-defined function keys, each key with a user-defined red LED indicator. The **C-more** 6-inch Micro TFT panels are powered from a Class 2, 12-24 VDC power supply\*. The panel is NEMA 4/4X indoor when installed correctly.

## Part No. **EA3-T6CL**

Shown in Landscape (Horizontal) mode



**\$466.00**



\*NOTE: Recommended DC power supply to power the **C-more** Micro Panel, AutomationDirect Part No. **PSL-24-010**.

## Features

- Touch screen display
- Free downloadable programming software
- 320 x 240 pixel display with up to 40 lines by 80 characters of text and graphics in landscape mode
- Up to 40 characters of dynamic text with embedded variables and phrases mixed with graphics
- Five programmable function keys can change with every screen. Can increment / decrement values, trigger recipes, view index of screens.
- 32K colors
- Optional replaceable clear screen overlay
- 6MB memory
- Supports Ethernet expansion module (**EA-ECOM**)
- Built-in USB type B programming port
- Built-in 15-pin serial communications port
- Built-in RJ12 serial communications port
- Built-in Alarm Control setup that activates beep, backlight flash, customized alarm banner, and red LED blinking
- 0 to 50 °C (32 to 122 °F) operating temperature range (IEC 60068-2-14)
- NEMA 4/4X, IP65 compliant when mounted correctly, indoor use only
- UL, cUL & CE agency approvals
- 2-year warranty from date of purchase

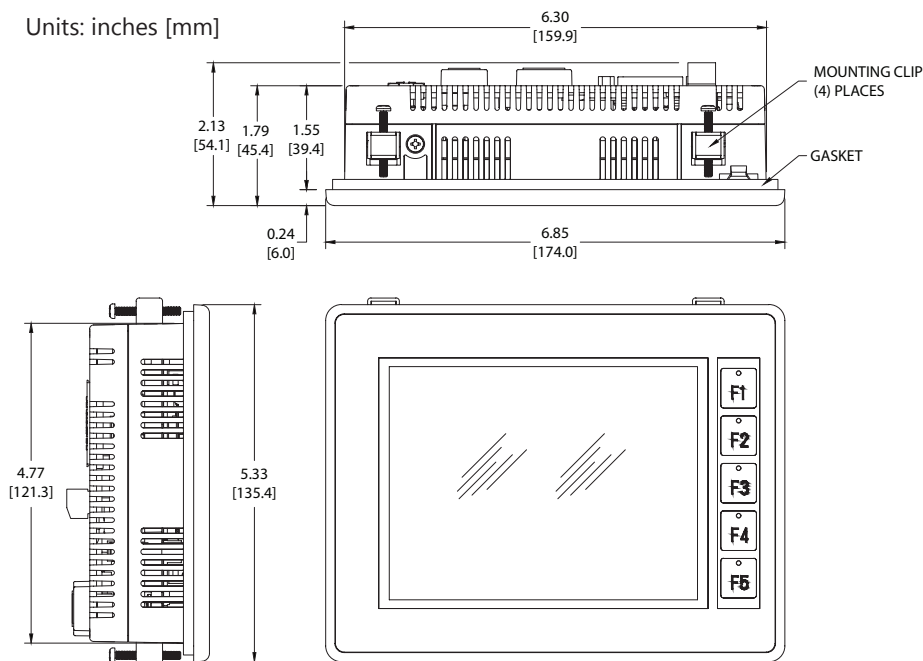
| Function             | Available                   |
|----------------------|-----------------------------|
| Ethernet             | Optional ( <b>EA-ECOM</b> ) |
| USB Programming Port | Yes                         |
| Serial RJ12 Port     | Yes                         |
| Serial DB15 Port     | No                          |



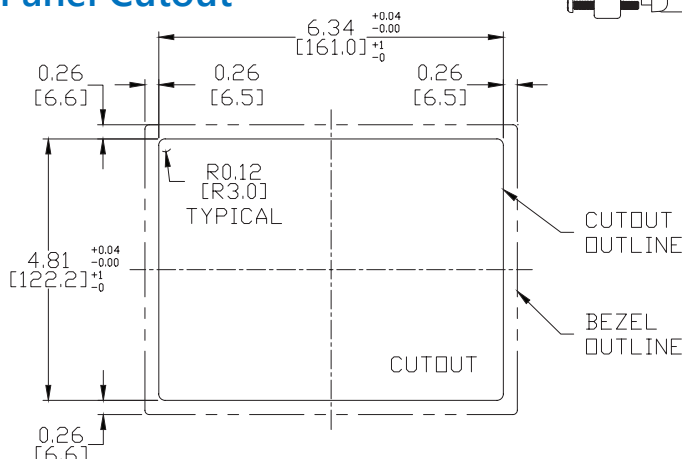
\*NOTE: The EA3-T6CL can be powered through the USB port when connected to a PC for programming, the screen brightness is diminished because the panel is running in Low-Power Mode. For full brightness, connect an external Class 2, 12-24 VDC power source to the 6" panel's power connection. An external Class 2, 12-24 VDC power source must be used when the panel is installed in its application.

## Dimensions

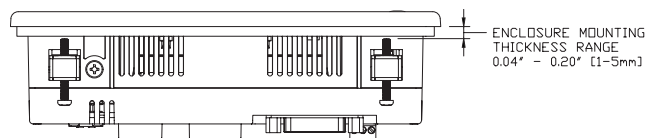
Units: inches [mm]



## Panel Cutout



## Panel Thickness



NOTE: The **C-more** 6-inch Micro cutout dimensions are not equivalent to previous AutomationDirect text panels. The **C-more** 6-inch Micro panels will not fit in cutouts for DV-1000, EZText, Optimate panels or **C-more** 6-inch panels.

# C-more Micro EA3-T6CL Panel Specifications

| EA3-T6CL Specifications                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Part Number:</b>                                                                                                                                           | <b>EA3-T6CL</b>                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description:</b>                                                                                                                                           | 320 x 240 pixel LCD display<br>(Landscape mode),<br>Five user defined keypad function buttons with five user defined LED indicators                                                                                                                                                                                                                                                         |
| <b>Display:</b>                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                             |
| • <b>Type</b>                                                                                                                                                 | 5.7" TFT Graphical type<br>with LED Backlight                                                                                                                                                                                                                                                                                                                                               |
| • <b>Resolution</b>                                                                                                                                           | 320 (W) x 240 (H) pixel (Landscape Mode)<br>240 (W) x 320 (H) pixel (Portrait Mode)                                                                                                                                                                                                                                                                                                         |
| • <b>Color</b>                                                                                                                                                | 32768 colors                                                                                                                                                                                                                                                                                                                                                                                |
| • <b>Display Brightness<br/>(Reference)</b>                                                                                                                   | 270 nits (typ)                                                                                                                                                                                                                                                                                                                                                                              |
| • <b>Viewing Area Size</b>                                                                                                                                    | 4.57" (W) x 3.44" (H)<br>[116.2 mm x 87.4 mm]                                                                                                                                                                                                                                                                                                                                               |
| • <b>Active Area Size</b>                                                                                                                                     | 4.54" (W) x 3.40" (H)<br>[115.2 mm x 86.4 mm]                                                                                                                                                                                                                                                                                                                                               |
| • <b>Contrast / Brightness</b>                                                                                                                                | Adjusted from the panel's built-in configuration setup menu                                                                                                                                                                                                                                                                                                                                 |
| • <b>Viewing Angle<br/>(Landscape Mode)</b>                                                                                                                   | 3, 9 o'clock axis → 80 degrees<br>6 o'clock axis → 65 degrees<br>12 o'clock axis → 80 degrees                                                                                                                                                                                                                                                                                               |
| <b>Backlight:</b>                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                             |
| • <b>Type</b>                                                                                                                                                 | LED                                                                                                                                                                                                                                                                                                                                                                                         |
| • <b>Color</b>                                                                                                                                                | White                                                                                                                                                                                                                                                                                                                                                                                       |
| • <b>User Replaceable</b>                                                                                                                                     | No                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Touch Screen:</b>                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                             |
| • <b>Type</b>                                                                                                                                                 | Analog resistive, single touch*                                                                                                                                                                                                                                                                                                                                                             |
| • <b>Operation</b>                                                                                                                                            | 82 gram force [0.8 N] maximum                                                                                                                                                                                                                                                                                                                                                               |
| • <b>Life</b>                                                                                                                                                 | Minimum of 1,000,000 cycles                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Features:</b>                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                             |
| • <b>User Memory</b>                                                                                                                                          | 6MB                                                                                                                                                                                                                                                                                                                                                                                         |
| • <b>Number of Screens</b>                                                                                                                                    | Up to 999 – limited by project memory usage                                                                                                                                                                                                                                                                                                                                                 |
| • <b>Beep (Internal)</b>                                                                                                                                      | Yes                                                                                                                                                                                                                                                                                                                                                                                         |
| • <b>Keypad Function Buttons</b>                                                                                                                              | Five user defined function key buttons with the ability to customize label with an overlay.<br>Minimum of 500,000 cycles                                                                                                                                                                                                                                                                    |
| • <b>Keypad Function Button LEDs</b>                                                                                                                          | Each function key button includes a red LED that can be user programmed.                                                                                                                                                                                                                                                                                                                    |
| • <b>Programming Port</b>                                                                                                                                     | USB 2.0 Type B                                                                                                                                                                                                                                                                                                                                                                              |
| • <b>Serial Communications</b>                                                                                                                                | RJ12 serial communications port (RS-232)<br>15-pin D-sub serial communications port (RS-232, RS-485 / 422).                                                                                                                                                                                                                                                                                 |
| • <b>Ethernet Communications</b>                                                                                                                              | 10/100 Base-T (Automatic Negotiation) with EA-ECOM Module                                                                                                                                                                                                                                                                                                                                   |
| <b>Screen Objects</b>                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                             |
| • <b>Functional Devices</b>                                                                                                                                   | Pushbutton, Switch, Indicator Button, Indicator Light, Graphic Indicator Light, Numeric Display, Numeric Entry, Inc/Dec Value, Bar Graph, Bitmap Button, Static Bitmap, Dynamic Bitmap, Recipe Button, Static Text, Lookup Text, Dynamic Text, Screen Change Pushbutton, Screen Selector, Adjust Contrast, Function, Key Configuration Object, Real Time Graphics Line Graph, Analog Meter. |
| • <b>Static Shapes</b>                                                                                                                                        | Lines, Rectangles, Circles and Frames                                                                                                                                                                                                                                                                                                                                                       |
| • <b>Displayable Fonts</b>                                                                                                                                    | Fixed fonts: 4x6, 6x6, 6x6B, 6x8, 8x16, 8x32, 8x64, 16x16, 16x32, 16x64, 32x16, 32x32, 32x64, and Windows fonts                                                                                                                                                                                                                                                                             |
| *Note: The Touchscreen is designed to respond to a single touch. If it is touched at multiple points at the same time, an unexpected object may be activated. |                                                                                                                                                                                                                                                                                                                                                                                             |
| C-more Micro EA3-T6CL panel specifications continued on next page.                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                             |

# C-more Micro EA3-T6CL Panel Specifications

| EA3-T6CL Specifications (cont'd)                 |                                                                                                                                                                                                                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Part Number:</b>                              | <b><u>EA3-T6CL</u></b>                                                                                                                                                                                                                                                      |
| <b>Electrical:</b>                               |                                                                                                                                                                                                                                                                             |
| • <b>Input Power</b>                             | 10.2 - 26.4 VDC; Class 2 or SELV (Safety Extra-Low Voltage) or Limited Energy Circuit power supply<br>5VDC USB B-Port to PC                                                                                                                                                 |
| • <b>Power Consumption</b>                       | 7.5 W (External power supply)<br>2.0 W (USB)                                                                                                                                                                                                                                |
| • <b>Maximum Inrush Current</b>                  | 13A for 800µs                                                                                                                                                                                                                                                               |
| • <b>Acceptable External Power Drop Duration</b> | Maximum 1ms                                                                                                                                                                                                                                                                 |
| <b>Environmental:</b>                            |                                                                                                                                                                                                                                                                             |
| • <b>Operating Temperature</b>                   | 0 to 50 °C (32 to 122 °F); Maximum surrounding air temperature rating: 50 °C (122 °F)<br>IEC 60068-2-14 (Test Nb, Thermal Shock)                                                                                                                                            |
| • <b>Storage Temperature</b>                     | -20 to +60 °C (-4 to +140 °F)<br>IEC 60068-2-1 (Test Ab, Cold)<br>IEC 60068-2-2 (Test Bb, Dry Heat)<br>IEC 60068-2-14 (Test Na, Thermal Shock)                                                                                                                              |
| • <b>Humidity</b>                                | 5–95% RH (non-condensing)                                                                                                                                                                                                                                                   |
| • <b>Environmental Air</b>                       | For use in Pollution Degree 2 environment, no corrosive gases permitted                                                                                                                                                                                                     |
| • <b>Housing Material</b>                        | ABS Plastic                                                                                                                                                                                                                                                                 |
| • <b>Gasket Material</b>                         | Silicone Rubber                                                                                                                                                                                                                                                             |
| • <b>Overlay Sheet Material</b>                  | PET                                                                                                                                                                                                                                                                         |
| • <b>Vibration</b>                               | IIIEC60068-2-6 (Test Fc)                                                                                                                                                                                                                                                    |
| • <b>Shock</b>                                   | IEC60068-2-27 (Test Ea)                                                                                                                                                                                                                                                     |
| • <b>Altitude</b>                                | Up to 2000m (6562ft)                                                                                                                                                                                                                                                        |
| • <b>Noise Immunity</b>                          | (EN61131-2)<br>EN61000-4-2 (ESD),<br>EN61000-4-3 (RFI)<br>EN61000-4-4 (FTB)<br>EN61000-4-5 (Serge)<br>EN61000-4-6 (Conducted)<br>EN61000-4-8 (Power frequency magnetic field immunity)<br><br>(Local Test)<br>RFI, (145MHz, 440Mhz 10W @ 10cm)<br>Impulse 1000V @ 1µs pulse |
| • <b>Enclosure</b>                               | NEMA 250 type 4/4X indoor use only<br>UL50 type 4X indoor use only<br>IP-65 indoor use only (not tested by UL)<br>(When mounted correctly)                                                                                                                                  |
| • <b>Agency Approvals</b>                        | CE (EN61131-2), UL508, CUL Canadian C22.2 No. 142-M95, UL E157382, RoHS (2011/65/EU)<br>To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page                                            |
| <b>Physical:</b>                                 |                                                                                                                                                                                                                                                                             |
| • <b>Enclosure Mounting Thickness Range</b>      | 0.04" – 0.2" [1 – 5 mm]                                                                                                                                                                                                                                                     |
| • <b>Mounting Clip Screw Torque Range</b>        | 21 – 28 oz-in [0.15 – 0.20 Nm]                                                                                                                                                                                                                                              |
| • <b>Weight</b>                                  | 21.1 oz. (600g)                                                                                                                                                                                                                                                             |

# C-more Micro EA3 Series PLC Drivers

| PLC Drivers                           |                                                  |                                                                            |
|---------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|
| Serial - port1 or port2               | Serial - port2 only                              | Ethernet*                                                                  |
| AutomationDirect Productivity Series  | Allen-Bradley DF1 Half Duplex                    | AutomationDirect Productivity Series Ethernet                              |
| AutomationDirect Do-more / BRX**      | Allen-Bradley DF1 Full Duplex                    | AutomationDirect Do-more / BRX Ethernet                                    |
| AutomationDirect CLICK                | Allen-Bradley PLC5 DF1                           | AutomationDirect CLICK Ethernet                                            |
| AutomationDirect K-sequence           | Allen-Bradley DH485                              | AutomationDirect ECOM Ethernet                                             |
| AutomationDirect DirectNET            | GE SNPX (90/30, 90/70, Micro 90, VersaMax Micro) | Modbus TCP/IP                                                              |
| AutomationDirect Modbus (master only) | Mitsubishi FX                                    | Allen-Bradley EtherNet/IP(Client) SLC5/05                                  |
| Modicon Modbus RTU (master only)      | Mitsubishi Q & QnA                               | Allen-Bradley EtherNet/IP(Client) ENI Adapter                              |
| Entivity Modbus RTU (master only)     | Omron Host Link (C200 Adapter, C500)             | Allen-Bradley EtherNet/IP(Client) MicroLogix 1100/1400                     |
|                                       | Omron FINS Serial (CJ1, CS1)                     | Allen-Bradley EtherNet/IP (Client) Control/CompactLogix (SLC Mapping only) |
|                                       | Siemens PPI (S7-200 CPU)                         |                                                                            |
|                                       | AutomationDirect SOLO Temperature Controller     |                                                                            |
|                                       | AutomationDirect GS Drives                       |                                                                            |

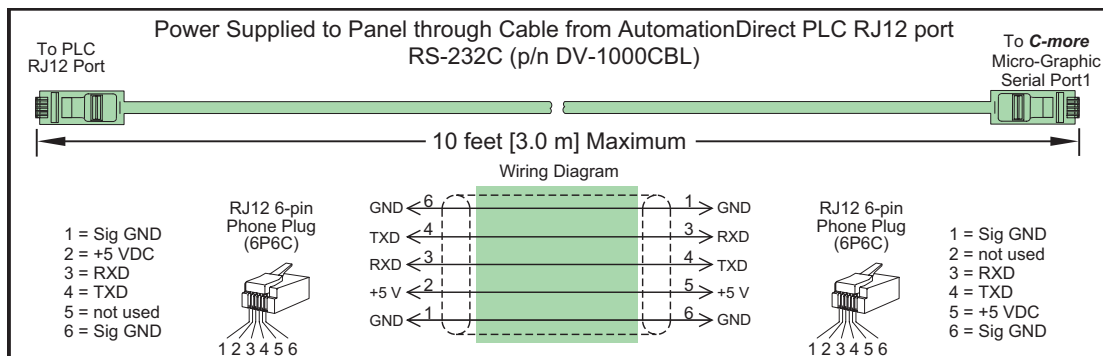
\* Ethernet port is built in to [EA3-S3ML](#) and [EA3-T4CL](#). [EA3-T6CL](#) requires the optional [EA-ECOM](#) module for Ethernet. Ethernet communications require external power supply.

\*\* [BX-P-SER2-RJ12](#) is required

# C-more Micro EA3 Series Power Connection Wiring

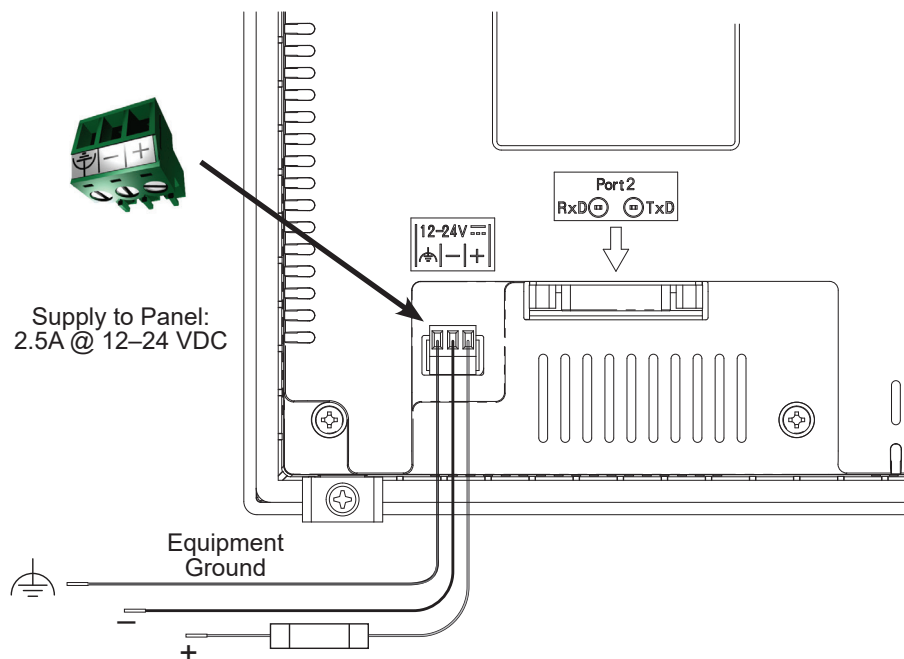
## EA3-S3ML-RN and EA3-S3ML-R

- EA3-S3ML-RN and EA3-S3ML-R **C-more** Micro panels are powered during programming from the PC through the USB to RS-232 Programming Cable Assembly, EA-MG-PGM-CBL.
- During operation, EA3-S3ML-RN and EA3-S3ML-R **C-more** Micro panels can be powered from most AutomationDirect PLC's RJ12 serial communications ports by using the DV-1000CBL communications cable.



## EA3-S3ML, EA3-T4CL and EA3-T6CL

EA3-S3ML, EA3-T4CL and EA3-T6CL **C-more** Micro EA3 series panels are powered by a Class 2, 2.5 Amp @ 12-24 VDC power source in normal operation.



**WARNING:** USING A DIFFERENTIAL POWER SUPPLY AND CONNECTION THE USB TO A PC CAN DAMAGE BOTH THE PANEL AND THE PC.

# C-more Micro EA3 Series PLC Connections

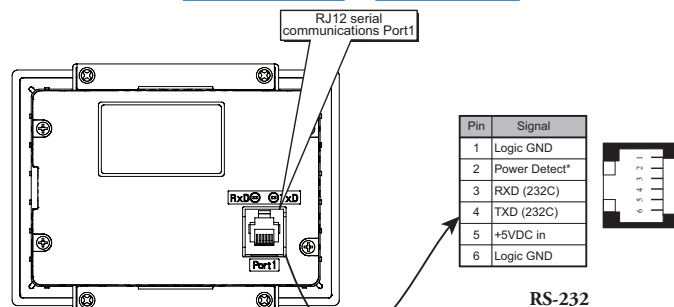
## Cabling requirements

The table below describes the EA3 series cabling options available for most AutomationDirect PLCs.

| EA3 Series Cabling Options                      |                                                                                            |                                         |                                         |
|-------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Part Number                                     | Port1 RJ12 (RS-232)                                                                        | Port2 15-pin (RS-232)<br>See PLC List A | Port2 15-pin (RS-232)<br>See PLC List B |
| <a href="#"><b>EA3-S3ML</b></a>                 | <a href="#"><b>DV-1000CBL*</b></a>                                                         | <a href="#"><b>EA-2CBL</b></a>          | <a href="#"><b>EA-2CBL-1</b></a>        |
| <a href="#"><b>EA3-S3ML-R</b></a>               |                                                                                            | N/A                                     | N/A                                     |
| <a href="#"><b>EA3-S3ML-RN</b></a>              |                                                                                            |                                         |                                         |
| <a href="#"><b>EA3-T4CL</b></a>                 | <a href="#"><b>DV-1000CBL,<br/>D0-CBL</b></a>                                              | <a href="#"><b>EA-2CBL</b></a>          | <a href="#"><b>EA-2CBL-1</b></a>        |
| <a href="#"><b>EA3-T6CL</b></a>                 |                                                                                            |                                         |                                         |
| <b>PLC List A</b>                               | Productivity Series, Do-more / BRX**, CLICK, DL05, DL105, DL205, D3-350, D4-450 phone jack |                                         |                                         |
| <b>PLC List B</b>                               | D2-250, D250-1, D2-260, DL06 VGA connector                                                 |                                         |                                         |
| <b>*Cable can provide +5VDC for panel power</b> |                                                                                            |                                         |                                         |
| <b>**BX-P-SER2-RJ12 is required</b>             |                                                                                            |                                         |                                         |

## Communication Ports

### EA3-S3ML-RN & EA3-S3ML-R

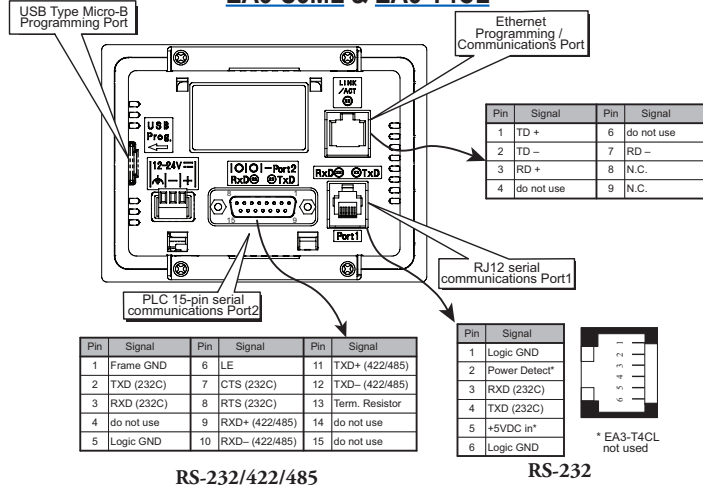


## Drivers for your Controller

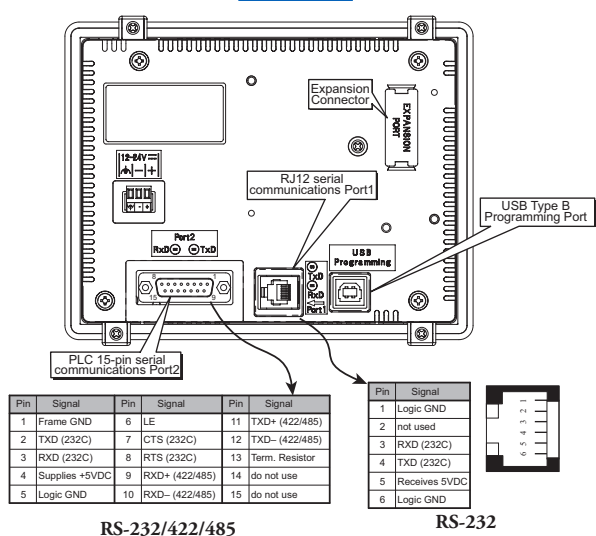
- AutomationDirect Productivity Series – serial / Ethernet\*
- AutomationDirect Do-more / BRX – serial / Ethernet\*
- AutomationDirect CLICK (Modbus(master only))– serial / Ethernet\*
- Direct**LOGIC K-sequence, **Direct**LOGIC **Direct**NET, **Direct**LOGIC Modbus (master only) (Koyo Addressing)
- Direct**LOGIC ECOM Ethernet\*
- Modbus RTU (master only)
- Modbus TCP/IP\*
- Allen-Bradley DF1 Full Duplex, Allen-Bradley DF1 Half Duplex, Allen-Bradley PLC5 DF1, AB DH485, Allen-Bradley EtherNet/IP (Client) SLC5/05, NET-ENI, MicroLogix 1100/1400\*, Control/CompactLogix (SLC mapping only)
- Omron Host Link (C200 Adapter, C500)
- Omron FINS serial (CJ1, CS1)
- GE SNPX (90/30, 90/70, Micro 90, VersaMax Micro)
- Mitsubishi Melsec FX
- Siemens PPI
- Entivity Modbus RTU (master only)
- AutomationDirect GS Drives
- AutomationDirect SOLO Temperature Controllers
- Mitsubishi Q/QnA

\* Ethernet port is built in to EA3-S3ML and EA3-T4CL and EA3-T6CL require the optional EA-ECOM module for Ethernet.

### EA3-S3ML & EA3-T4CL



### EA3-T6CL



# Communication Expansion Module

## EA-ECOM Ethernet Communication Module

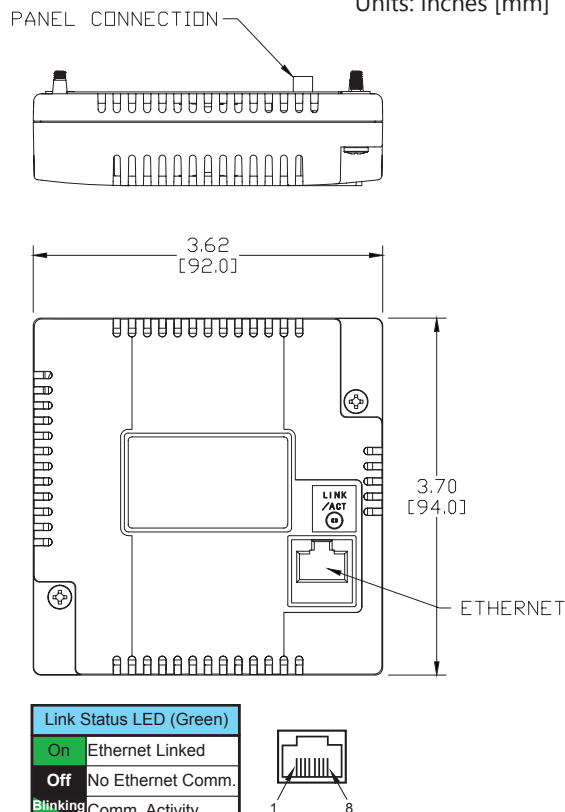
The EA-ECOM communication module is compatible with EA3 series **C-more** Micro 6-inch, 8-inch and 10-inch panels and most **C-more** panels. It adds an Ethernet (RJ45) port for programming and PLC communications at 10/100 Mbps. **C-more** Micro Software and firmware version 4.0 or later is required. **C-more** Software and firmware version 6.50 or later is required.

Part No. **EA-ECOM** \$73.00



## Dimensions

Units: inches [mm]



### Ethernet Communication Interface Specifications

|                               |                                       |
|-------------------------------|---------------------------------------|
| <b>Standard Specification</b> | Conforms to IEEE802.3                 |
| <b>Communication Speed</b>    | 10/100 Base-T (Automatic Negotiation) |
| <b>Cable Specification</b>    | Category 5                            |
| <b>Auto MDI / MDI-X</b>       | Yes                                   |
| <b>Connector Type</b>         | RJ45                                  |

### Communication Drivers

| <b>C-more</b>                               | <b>C-more Micro</b>                                                        |
|---------------------------------------------|----------------------------------------------------------------------------|
| Supports all <b>C-more</b> 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                    |
|                                             | Allen-Bradley EtherNet/IP (Client) control/CompactLogix (SLC Mapping only) |



| Link Status LED (Green) |                   |
|-------------------------|-------------------|
| On                      | Ethernet Linked   |
| Off                     | No Ethernet Comm. |
| Blinking Green          | Comm. Activity    |



### EA-ECOM Specifications

| Part Number                                | EA-ECOM                                                                                                                                                                               |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating Temperature</b>               | 0 to 50 °C (32 to 122 °F)<br>Maximum surrounding air temperature rating: 50 °C                                                                                                        |
| <b>Storage Temperature</b>                 | -20 to +60 °C (-4 to +140 °F)                                                                                                                                                         |
| <b>Humidity</b>                            | 5-95% RH (non-condensing)                                                                                                                                                             |
| <b>Environmental Air</b>                   | For use in pollution degree 2 environment                                                                                                                                             |
| <b>Vibration</b>                           | 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      |
| <b>Shock</b>                               | 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)                                     |
| <b>Noise Immunity</b>                      | NEMA ICS3-304<br>RFI, (145 MHz, 440 MHz 10 W @ 10 cm)<br>Impulse 1000 V @ 1 µs pulse                                                                                                  |
| <b>Emission</b>                            | EN55011 Class A (Radiated RF emission)                                                                                                                                                |
| <b>Enclosure (panel door installation)</b> | NEMA 250 type 4/4X indoor use only<br>UL50 type 4X indoor use only<br>IP-65 indoor use only<br>(When mounted correctly)                                                               |
| <b>Agency Approvals</b>                    | CE (EN61131-2), UL508, CUL Canadian C22.2<br>To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page |
| <b>Mounting Torque</b>                     | 50 oz-in [0.35 N-m]                                                                                                                                                                   |
| <b>Weight</b>                              | 0.23 lb [105g]                                                                                                                                                                        |



# C-more Micro EA3 Panel Accessories

## D-SUB 15-pin 90-degree Communication Port Adapter

The **EA-ADPTR-4** adapter plugs into the 15-pin serial port on the rear of **C-more** Micro EA3 Series 3-inch\*, 4-inch and 6-inch panels to allow a controller communication cable to be plugged in at a 90 degree angle to reduce panel depth requirements. 15-pin straight through pin-out. UL Recognized.

\* EA3-S3ML-RN and EA3-S3ML-R are not equipped with a 15-pin serial port.

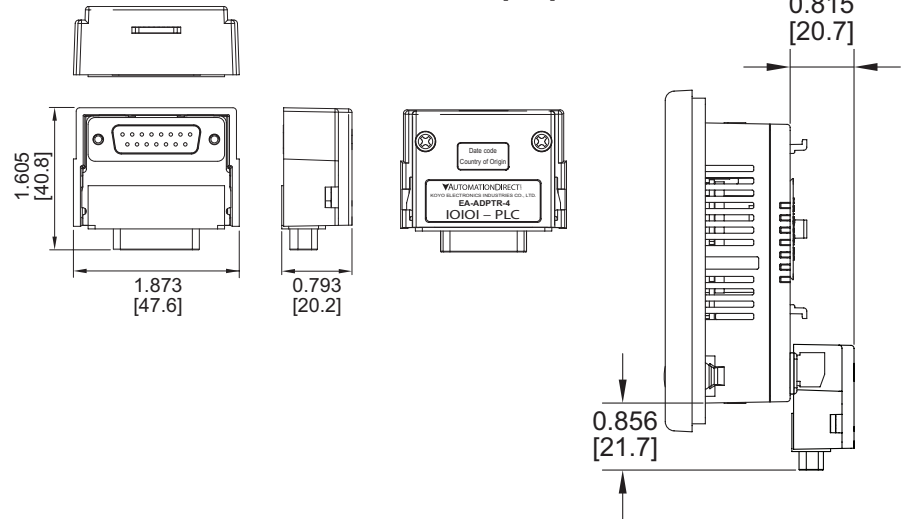
Part No.  
**EA-ADPTR-4**



\$52.00

### Dimensions

Units: inches [mm]



## D-SUB 15-pin to Terminal Block Adapter

The **EA-COMCON-3** adapter plugs into the 15-pin serial port on the rear of **C-more** Micro EA3 Series 3-inch\*, 4-inch and 6-inch panels to allow wire terminal connections for an RS-422/RS-485/DH485 PLC communication cable. UL Recognized.

\* EA3-S3ML-RN and EA3-S3ML-R are not equipped with a 15-pin serial port.

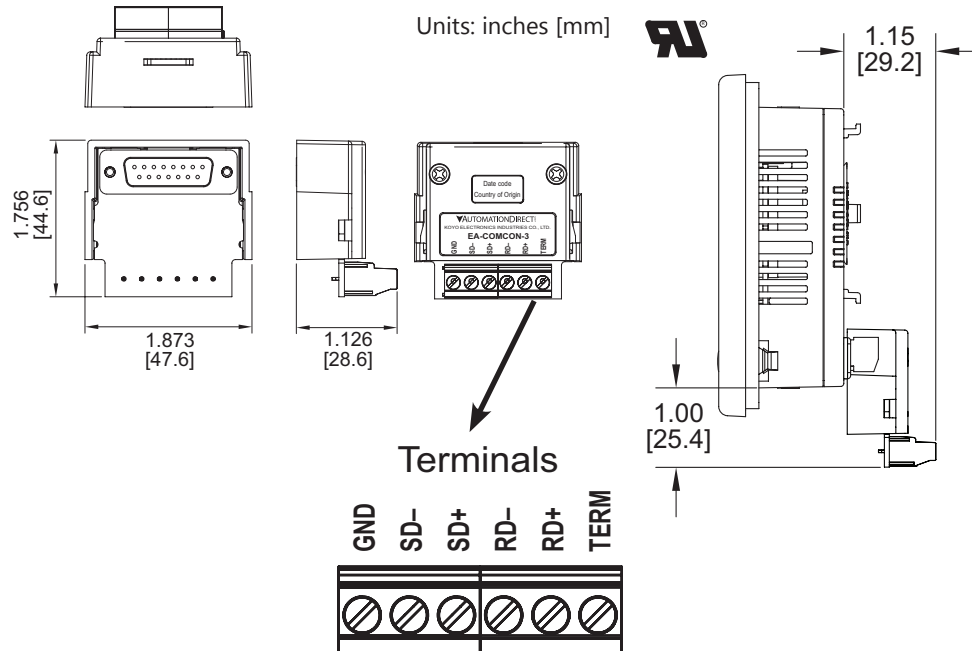
Part No.  
**EA-COMCON-3**



\$55.00

### Dimensions

Units: inches [mm]

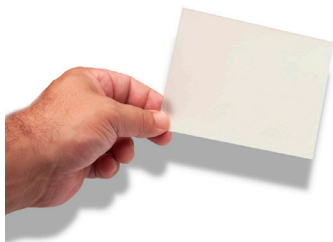




# C-more Micro EA3 Panel Accessories

## Clear Screen Overlay

Optional clear screen overlay used to protect **C-more** Micro displays from minor scratches and wear. EA-MG-COV-CL contains 5 clear screen overlays. All other packages contain 3 clear screen overlays.



Part No. EA-MG-COV-CL  
\$47.50

Part No. EA-4-COV3  
\$45.50

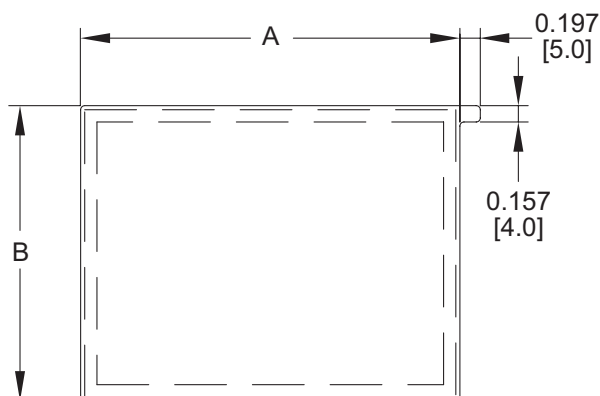
Part No. EA-6-COV2  
\$49.50

Part No. EA-8-COV2  
\$53.00

Part No. EA-10-COV2  
\$59.00

## Dimensions

Units: inches [mm]



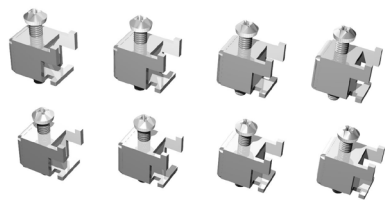
| Part Number         | Dimensions - inch [mm] |                 |
|---------------------|------------------------|-----------------|
|                     | A                      | B               |
| <u>EA-MG-COV-CL</u> | 3.13<br>[79.4]         | 1.75<br>[44.4]  |
| <u>EA-4-COV3</u>    | 4.15<br>[105.5]        | 2.52<br>[64.0]  |
| <u>EA-6-COV2</u>    | 4.91<br>[124.8]        | 3.80<br>[96.4]  |
| <u>EA-8-COV2</u>    | 7.32<br>[185.8]        | 5.44<br>[138.2] |
| <u>EA-10-COV2</u>   | 8.91<br>[226.2]        | 6.61<br>[168.0] |

# C-more Micro 6-inch EA3 Panel Replacement Parts

Replacement parts at a glance:

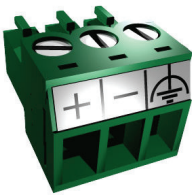
| Part Number                            | Description                                                                                                                                                                                             | Price   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <a href="#"><u>EA-MG-BZ2-BRK</u></a>   | <b>C-more</b> Micro panel mounting brackets, replacement. Package of 8. For use with <b>C-more</b> Micro 4in and 6in panels, all 6in bezels, and 3in bezel EA-MG-BZ2.                                   | \$24.00 |
| <a href="#"><u>EA-MG-DC-CON</u></a>    | <b>C-more</b> Micro DC 3-terminal power connector, replacement. Package of 5. For use with all <b>C-more</b> Micro 4in, 6in, 8in and 10in panels, and power adapters EA-MG-P1 and EA-MG-SP1.            | \$19.00 |
| <a href="#"><u>EA-MG6-S6ML-GSK</u></a> | <b>C-more</b> Micro panel mounting gasket, replacement. For use with <b>C-more</b> Micro 6in panels.                                                                                                    | \$14.50 |
| <a href="#"><u>EA-MG6-S6ML-FKL</u></a> | <b>C-more</b> Micro function key label insert, replacement. Package of 5. For use with <b>C-more</b> Micro 6in HMLs. (3) blank labels, (1) portrait F1-F5 label and (1) landscape F1-F5 label included. | \$40.50 |

Panel Mounting Clips  
Part No. [EA-MG-BZ2-BRK](#)



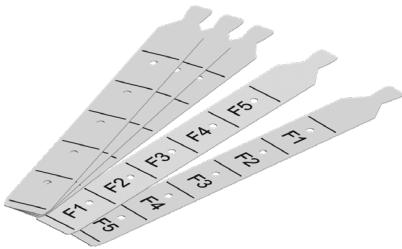
(pk of 8)

DC Power Connector  
Part No. [EA-MG-DC-CON](#)



(pk of 5)

Function Keys Label Inserts  
Part No. [EA-MG6-S6ML-FKL](#)



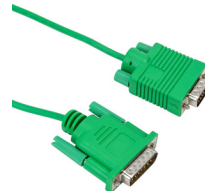
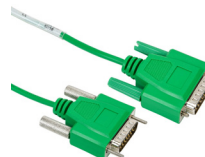
(pk of 5; 3 blank, 1 F1-F5 for landscape, 1 F1-F5 for portrait)

Panel Gasket  
Part No. [EA-MG6-S6ML-GSK](#)



# C-more Micro Communication Cables and Cable Kits

| Cable Description                                                                                                                                                                                                                                 | Cable Part Number               | Price   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------|
| Cables for direct connect to panel's serial Port1<br>(Panel powered from PLC's serial port.)                                                                                                                                                      |                                 |         |
| Networking cable, RS-232 (RJ12 6P6C) to RS-232 (RJ12 6P6C), shielded, 12ft cable length. For use with CLICK, DL05, D2-240, D4-450 and Productivity3000 PLCs.                                                                                      | <a href="#">D0-CBL</a>          | \$47.50 |
| DirectLOGIC DL06 connector, 15-pin D-sub HD15 male to RJ12 female. For use with DL06 CPUs and DL205 D2-250, D2-250-1, D2-260 and D2-262 CPUs.                                                                                                     | <a href="#">FA-15HD</a>         | \$21.00 |
| DirectLOGIC universal cable kit, for use with all DirectLOGIC PLCs with RS-232 ports.                                                                                                                                                             | <a href="#">FA-CABKIT</a>       | \$71.00 |
| Cables used with serial Port2                                                                                                                                                                                                                     |                                 |         |
| AutomationDirect communication cable, 15-pin male D-sub to 6-pin RJ12, shielded, 9.8ft/3m cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and AutomationDirect PLCs with RJ12 ports.                                        | <a href="#">EA-2CBL</a>         | \$31.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 15-pin D-sub HD15 male, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and a DL06, D2-250(-1), D2-260 or D2-262 (bottom port) CPU.           | <a href="#">EA-2CBL-1</a>       | \$31.50 |
| AutomationDirect communication cable, 15-pin male D-sub to 4-pin RJ11, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and a D3-340 CPU top or bottom port.                                              | <a href="#">EA-3CBL</a>         | Retired |
| AutomationDirect communication cable, 15-pin male D-sub to 15-pin male D-sub, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and a DL405 (top port) CPU.                                                | <a href="#">EA-4CBL-1</a>       | \$31.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and a D2-DCM, D3-232-DCU, D3-350 (bottom port) or DL405 (bottom port) CPU. | <a href="#">EA-4CBL-2</a>       | \$32.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 8-pin male mini DIN, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and an Allen-Bradley Micrologix CPU.                                     | <a href="#">EA-MLOGIX-CBL</a>   | \$47.50 |
| AutomationDirect communication cable, 15-pin male D-sub to 9-pin female D-sub, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and an Allen-Bradley SLC 5/03, 5/04 or 5/05 CPU with DF-1 port.           | <a href="#">EA-SLC-232-CBL</a>  | \$31.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and an Allen-Bradley PLC-5 CPU with a DF1 port.                                      | <a href="#">EA-PLC5-232-CBL</a> | \$31.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 6-pin RJ45, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and an Allen-Bradley SLC 5/01, 5/02 or 5/03 CPU with a DH485 port cable.          | <a href="#">EA-DH485-CBL</a>    | \$30.50 |
| AutomationDirect communication cable, 15-pin male D-sub to 15-pin male D-sub, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro and GE Fanuc Series 90/30 or 90/70 serial port.                                  | <a href="#">EA-90-30-CBL</a>    | \$31.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and a Mitsubishi FX Series CPU.                                                      | <a href="#">EA-MITSU-CBL</a>    | \$31.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 8-pin male mini DIN, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and a Mitsubishi FX Series CPU.                                          | <a href="#">EA-MITSU-CBL-1</a>  | \$31.00 |
| AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, shielded, 3m/9.8ft cable length. For use with <b>C-more</b> or <b>C-more</b> Micro panel and an Omron C200 or C500 CPU.                                             | <a href="#">EA-OMRON-CBL</a>    | \$31.00 |
| <b>Note: Adding the optional EA-ECOM module allows communication via an Ethernet connection (EA3 series only).</b>                                                                                                                                |                                 |         |

[D0-CBL](#)[FA-15HD](#)[FA-CABKIT](#)[EA-2CBL-1](#)[EA-2CBL](#)[EA-4CBL-1](#)[EA-3CBL](#)[EA-MLOGIX-CBL](#)[EA-4CBL-2](#)[EA-PLC5-232-CBL](#)[EA-SLC-232-CBL](#)[EA-DH485-CBL](#)[EA-90-30-CBL](#)[EA-MITSU-CBL](#)[EA-MITSU-CBL-1](#)[EA-OMRON-CBL](#)

# C-more Micro Programming Software

## FREE software!

**C-more** Micro Programming Software can be downloaded at no charge or a USB version may be purchased by ordering EA-MG-PGMSW. The software requires a USB port or Ethernet connection\* on your PC to connect to the **C-more** Micro panel. Software Help Files are included in the download.

This software programs all the **C-more** Micro panels (does not program the **C-more** 6-inch through 15-inch touch panels).



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Note: This software is used to program **C-more** Micro panels only.



Note: The Ethernet port is built in to EA3-S3ML and EA3-T4CL and EA3-T6CL requires the optional EA-ECOM module for Ethernet.

| Part Number | Panel Software / Firmware Version Required |
|-------------|--------------------------------------------|
| EA3-S3ML-RN |                                            |
| EA3-S3ML-R  | 4.30 or later                              |
| EA3-S3ML    |                                            |
| EA3-T4CL    | 4.20 or later                              |
| EA3-T6CL    | 3.6 or later                               |

**C-more** Micro Programming Software is a spin-off of its powerful sibling **C-more**

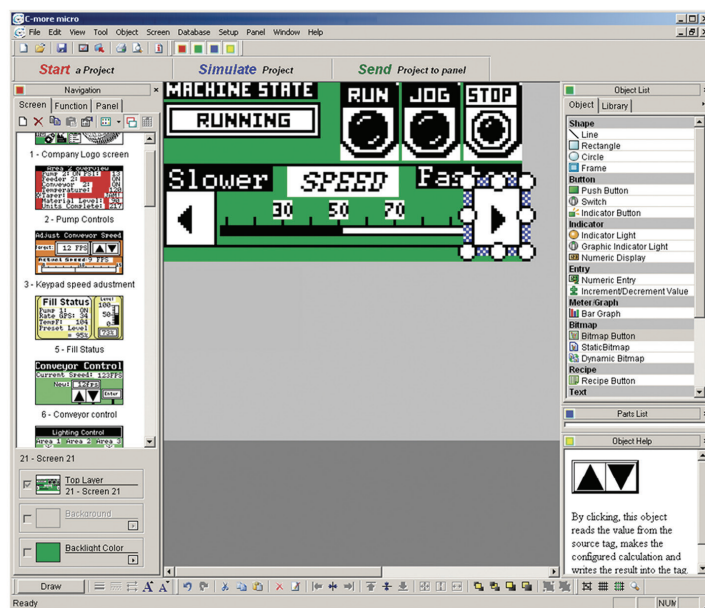
Touch Panel. It offers very high end features designed to reduce your configuration time. Simply drag and drop the objects from the object list (right side of screen) onto the screen construction area. Then configure your PLC tags and click on the objects you wish to use. Use the built-in simulator to review your work on your PC before ever downloading your project! The time saving benefits of the **C-more** Micro configuration software could easily pay for the panel. Check out [www.CmoreMicro.com](http://www.CmoreMicro.com) to download a free version.

## Thumbnail project preview pane

Helps keep track of multi-screen projects.

## Built-in project simulator

- Runs your project on your PC
- Test all of your screens before downloading
- Time savings pays for the panel
- Simulate function keys and keypad bezel



## Built-in user object/ screen libraries

Save time by re-using your custom objects and screens.

## Scrolling object selection window

Lets you find the object you want fast. Just drag and drop it on the screen.

## PC requirements

Following are the minimum system requirements for running **C-more** Micro Programming Software, EA-MG-PGMSW, on a PC:

- Windows® Operating System (See [automationdirect.com](http://automationdirect.com) for specific operating system requirements.)
- 150 MB free hard-disk space
- USB port for installing software from the USB, or internet access to download free programming software
- USB port to use with the correct Programming Cable Assembly for project transfer from the programming software to the panel

## Scrolling help window

Gives you helpful information on each object