

C-more Operator Panels Overview

OVERVIEW

C-more is our next generation of operator interface touch panels. **C-more** is all new, including its electronics, touch screen displays, enclosures and all software and firmware. As a next generation product line, **C-more** has a host of hardware improvements and software enhancements, and offers better data transfer and increased productivity over our previous touch panel products. **C-more** is designed and manufactured by our parent company, Koyo Electronics, part of the multi-billion dollar Koyo Seiko group.

With the **C-more** series, *AutomationDirect* now provides the best combination of reliability, ease of use, and features at the lowest possible prices. With **C-more**, you can virtually replace almost all mechanical pushbuttons, switches, meters, and other peripheral devices.

The configuration software makes touchscreen panel setup and programming quick and simple, and all **C-more** touch panels use the same programming package. Take advantage of advanced features such as the Event Manager and data logging. Now you can collect large amounts of data or play back long historical records on trend graphs. Plug in up to two compact flash cards (*full feature panels only*) or a USB memory device for up to a Gigabyte of data logging storage (*that's about 250 million data points!*).

Another new tool is the built-in project simulator that allows you to view your project on the PC screen exactly as it would appear on the touch panel; and to test all your screens before downloading the project to the panel. You can simulate your entire project at any stage of development.

If you have an existing EZTouch* panel, **C-more** has the same mounting cutout so replacement installation is a breeze (*replacement of wide bezel 6" units requires adapter*). In addition, **C-more** can convert and run existing EZTouch projects**. Point, click and convert EZTouch projects to **C-more** and you are ready to go.

C-more displays are available in either grayscale (*15 shades of gray*) or full color (*256 to 65K colors*), depending on model. Cost-conscious STN grayscale and color displays are available in the 6" touch screen size. Color TFT touch screen displays are available in 6", 8", 10", 12" or 15" versions.

*All mentions of EZTouch refer to units sold by AutomationDirect

**If project was created with EZTouch Edit 3.1a sold by AutomationDirect



- Analog touch screen to eliminate touch cell boundaries
- More memory and methods to get data in/out of the panel
- Overlapping active devices on the touch screen
- 65,536 colors for enhanced graphics on 8, 10, 12 and 15" panels (256 colors on 6" panels)
- Higher screen resolutions on 12" and 15" panels
- Built-in project simulation; test on PC while developing
- Serial RS232, RS422/485 and Ethernet 10/100Base-T communications (Ethernet available on full feature units only.)
- Programming via USB or Ethernet (Ethernet available on full feature units only.)
- Optional AC power adapter
- Bright backlight bulbs
- User replaceable bulbs on 8, 10, 12 & 15" panels
- Animation of bitmaps and objects
- 4,000 built-in symbols and more fonts
- PID face plate, trending, alarming and a recipe database
- Event Manager to trigger actions based on assigned state changes, schedules, PLC tag names, etc., set up in a database environment. The event can also trigger a sound byte, initiate a screen capture, send a data file (FTP), send an e-mail, etc
- Select unique background screens for each created screen
- Data logging
- Built-in FTP client/server, e-mail client, and Web server
- Audio output port - stereo, requires amplifier and speaker(s)

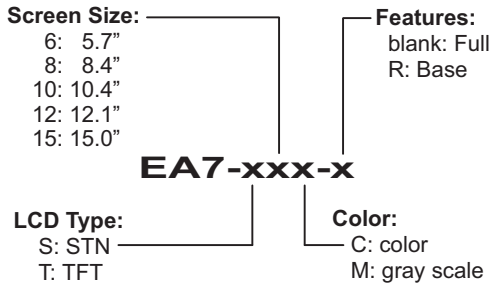
Note: A few features are not available on the base feature models (EA7-S6M-R and EA7-S6C-R). Please refer to the specifications on the following pages or the individual data sheet inserts that are included with each accessory or replacement part for additional details.

SUPPORT

Our Web site contains all of the information in this section, any new feature releases, tech support, plus much more. Please visit www.automationdirect.com, or visit <http://c-more.automationdirect.com> for a more interactive presentation. You may also contact our Technical Support group if you have any questions for which you can't find an answer. Give us a call from 9 a.m. to 6 p.m. ET, Monday - Friday, at 770-844-4200 and we will be glad to assist you.

C-more Operator Panels Overview

TOUCH PANEL PART NUMBER KEY:



COMPATIBILITY WITH OUR PAST!

All **C-more** panels have been designed to fit in the same dimensional cutout as a similar sized EZTouch panel*. In addition, **C-more** can convert and run existing EZTouch projects created with EZTouch Edit 3.1a sold by AutomationDirect. Just point, click and convert EZTouch projects to **C-more** and you are ready to go. All your hard work is transferred. To replace an EZTouch:

- 1) Remove it from its mounting cutout.
- 2) Click on your existing EZTouch project in the **C-more** browser. It will be converted to a **C-more** project, which can be downloaded into the new **C-more** panel.
- 3) Now mount the new **C-more** into the old cutout (using adapter plate where required) and reconnect your existing cables.

It's that simple!

GETTING STARTED

Installing the software and configuring the **C-more** panel is simple. You will need the following to successfully connect and configure a project for the panel:

- **C-more** touch panel - 6", 8", 10", 12" or 15" model
- **C-more** Programming Software, p/n EA-PGMSW
- **C-more** programming cable, USB or Ethernet
- 24 VDC switching power supply (min. 1.5A, switching) or the optional **C-more** AC Power Adapter
- Personal Computer - to run **C-more** programming software
- PLC communications cable (serial or Ethernet) to connect the **C-more** Touch Panel to your controller

* Replacement of an EZTouch wide bezel 6" model requires adapter EA-6-ADPTR.

Part Number	Description	Price
EA7-S6M-R	6-inch C-more grayscale STN touch panel (5.7 inch viewable screen), 15 shades of gray, 320 x 240 pixel QVGA screen resolution, 333 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), non-replaceable 50,000 hour half-life backlight. *Base Model: Built-in USB, no Ethernet or CompactFlash support.	<--->
EA7-S6C-R	6-inch C-more color STN touch panel (5.7 inch viewable screen), 256 colors, 320 x 240 pixel QVGA screen resolution, 333 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), non-replaceable 50,000 hour half-life backlight. *Base Model: Built-in USB, no Ethernet or CompactFlash support.	<--->
EA7-S6M	6-inch C-more grayscale STN touch panel (5.7 inch viewable screen), 15 shades of gray, 320 x 240 pixel QVGA screen resolution, 333 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), non-replaceable 50,000 hour half-life backlight. Built-in Ethernet and USB; supports CompactFlash.	<--->
EA7-S6C	6-inch C-more color STN touch panel (5.7 inch viewable screen), 256 colors, 320 x 240 pixel QVGA screen resolution, 333 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), non-replaceable 50,000 hour half-life backlight. Built-in Ethernet and USB; supports CompactFlash.	<--->
EA7-T6C	6-inch C-more color TFT touch panel (5.7 inch viewable screen), 65K colors, 320 x 240 pixel QVGA screen resolution, 333 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), non-replaceable 50,000 hour half-life backlight. Built-in Ethernet and USB; supports CompactFlash.	<--->
EA7-T8C	8-inch C-more color TFT touch panel (8.4 inch viewable screen), 65K colors, 640 x 480 pixel VGA screen resolution, 400 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), user replaceable 50,000 hour half-life backlight. Built-in Ethernet and USB; supports CompactFlash.	<--->
EA7-T10C	10-inch C-more color TFT touch panel (10.4 inch viewable screen), 65K colors, 640 x 480 pixel VGA screen resolution, 400 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), user replaceable 50,000 hour half-life backlight. Built-in Ethernet and USB; supports CompactFlash.	<--->
EA7-T12C	12-inch C-more color TFT touch panel (12.1 inch viewable screen), 65K colors, 800 x 600 pixel SVGA screen resolution, 400 MHz CPU, 24 VDC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), user replaceable 50,000 hour half-life backlight. Built-in Ethernet and USB; supports CompactFlash.	<--->
EA7-T15C	15-inch C-more color TFT touch panel (15.0 inch viewable screen), 65K colors, 1024 x 768 XGA screen resolution, 400 MHz CPU, 24V DC (20.4-28.8 VDC operating range), NEMA 4/4X, IP-65 (when mounted correctly; for indoor use only), user replaceable 50,000 hour half-life backlight. Built-in Ethernet and USB; supports CompactFlash.	<--->
EA-PGMSW	C-more touch panel Windows-based configuration software. Requires Windows® 2000 Service Pack 4 or XP Home or Professional, Service Pack 2. Includes software installation guide and CD-ROM. Requires USB 1.1 or Ethernet connection to touch panel. Cables sold separately.	<--->
USB-CBL-AB3	Standard 3-ft. (0.9m) USB 2.0 cable, A-type connector to B-type connector, used to connect personal computer to any C-more touch panel for setup and programming. (Note: Touch panels require a 24 VDC power source for configuration and operation.)	<--->
USB-CBL-AB6	Standard 6-ft. (1.8m) USB 2.0 cable, A-type connector to B-type connector, used to connect personal computer to any C-more touch panel for setup and programming. (Note: Touch panels require a 24 VDC power source for configuration and operation.)	<--->
USB-CBL-AB10	Standard 10-ft (3 meter) USB 2.0 cable, A-type connector to B-type connector, used to connect personal computer to any C-more touch panel for setup and programming. (Note: Touch panels require a 24 VDC power source for configuration and operation.)	<--->
USB-CBL-AB15	Standard 15-ft. (4.6m) USB 2.0 cable, A-type connector to B-type connector, used to connect personal computer to any C-more touch panel for setup and programming. (Note: Touch panels require a 24 VDC power source for configuration and operation.)	<--->