C-more CM5 Series Overview

C-more CM5 Series Touch Panels

- Compatible with EA9 project versions 6.73 or newer
- Analog touch screen
- 16.7-million colors LCD for enhanced graphics
- Screen resolutions up to 1920 X 1080 pixel
- FTP client/server
- E-mail client
- Web server
- MQTT client
- User configurable LED on the front of the panel
- Project simulation
- Up to (2) Ethernet ports
- Up to 3 serial ports, RS-232C, RS422/485
- Up to (4) USB-A ports for logging, backups, and HID devices
- Programming via USB or Ethernet
- Thousands of built-in symbols and Windows fonts
- Network time server/client
- JPEG and JPG graphic object support
- Ethernet Remote Access
- Customizable label on the front of the panel
- 2-year warranty from date of purchase

Part Number	Price	Description	Drawing Link
CM5-T4W	$340.00	*C-more* CM5 series touch screen HMI, 4.3in color TFT LCD, analog resistive, widescreen, 480 x 272 pixel, WQVGA, LED backlight, (1) Ethernet, (2) serial and (2) USB ports and (1) memory card slot.	PDF
CM5-T7W	$479.00	*C-more* CM5 series touch screen HMI, 7in color TFT LCD, analog resistive, widescreen, 800 x 480 pixel, WVGA, LED backlight, (1) Ethernet, (2) serial and (2) USB ports and (1) memory card slot.	PDF
CM5-T10W	$769.00	*C-more* CM5 series touch screen HMI, 10.1in color TFT LCD, analog resistive, widescreen, 1024 x 600 pixel, WSVGA, LED backlight, (2) Ethernet, (3) serial and (4) USB ports and (1) memory card slot.	PDF
CM5-T12W	$1,029.00	*C-more* CM5 series touch screen HMI, 12.1in color TFT LCD, analog resistive, widescreen, 1280 x 800 pixel, WXGA, LED backlight, (2) Ethernet, (3) serial and (4) USB ports and (1) memory card slot.	PDF
CM5-T15W	$1,609.00	*C-more* CM5 series touch screen HMI, 15.6in color TFT LCD, analog resistive, widescreen, 1366 x 768 pixel, HD, LED backlight, (2) Ethernet, (3) serial and (4) USB ports and (1) memory card slot.	PDF
CM5-T22W	$1,999.00	*C-more* CM5 series touch screen HMI, 21.5in color TFT LCD, analog resistive, widescreen, 1920 x 1080 pixel, FHD, LED backlight, (2) Ethernet, (3) serial and (4) USB ports and (1) memory card slot.	PDF
CM5-RHMI	$599.00	*C-more* CM5 series headless HMI, (2) serial, (2) Ethernet and (5) USB ports, (1) HDMI audio/video out and (1) memory card slot.	PDF

C-more 10" TFT Color Touch Panel

CM5-T10W

C-more CM5 series touch screen HMI, 10.1-inch color TFT LCD, 16.7M colors, 1024 x 600 pixel WSVGA screen resolution, 1.6 GHz quad-core CPU, 12-24 VDC powered, NEMA 4/4X, IP65 (when mounted correctly; for indoor use only). Includes (2) Ethernet, (3) serial and (4) USB ports and (1) memory card slot. Compatible with CM5-PGMSW programming software v8.0 or later.
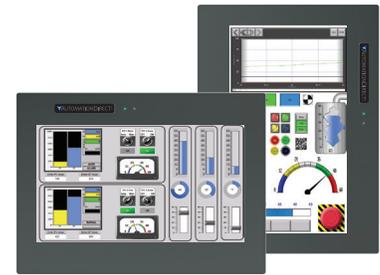
$769.00

Features

- 10.1" diagonal color TFT (thin film transistor) LCD display with 16.7M colors
- 1024 x 600 pixel resolution
- 315 nits display brightness
- 50,000 hour average backlight half-life
- Analog resistive (1024 X 1024) touch screen allowing unlimited touch areas
- (1) USB port B (program/download)
- (3) USB port A (USB device options)
- (2) Ethernet 10/100 Base-T ports (program/download & PLC communication)
- Ethernet Remote Access
- Serial PLC interface (RS-232C/422/485)
- Horizontal or portrait mounting
- One built-in SD memory card slot
- 12-24 VDC powered
- 90MB project memory
- Data logging
- 0 to 50°C [32 to 122°F] operating temperature range
- NEMA 4/4X, IP65 compliant when mounted correctly, indoor use only
- Slim design saves enclosure space
- Works with Remote HMI Mobile App

Function	Available
Ethernet	2 Ports
USB	4 Ports
SD Card	1 Slot
Audio Out	USB*
RJ12 (RS-232C)	Yes
DB15 (RS-232C, RS-422, RS-485)	Yes
RS-485 3-wire	Yes
*with USB to Audio Adapter	

Communication Ports

Port 3
Serial Communication
RS-485

SD Card Slot

USB Port - Type B
Programming

(3) USB Ports - Type A
USB Device Options

Port 1
PLC Serial Communications
RS-232C, RS-422, RS-485

Ethernet 10/100 Base-T
PLC Communications,
Programming/Download

Port 2
RJ12 Serial Communication
RS-232C

Cutout Dimensions

Inches [mm]

10.55 [268.0]

9.25 [235.0]

7.71 [195.9]

7.07 [179.6]

CUTOUT

BEZEL OUTLINE

CUTOUT OUTLINE

C-more Selection Guide & Specifications

Specifications		
Model	*4" TFT color*	*7" TFT color*
Part Number	CM5-T4W	CM5-T7W
Price	$340.00	$479.00
Display Actual Size and Type	4.3" color TFT LCD	7.0" color TFT LCD
Display Viewing Area	95.04 mm x 53.856 mm [3.74" x 2.12"]	154.08 mm x 85.92 mm [6.07" x 3.38"]
Weight	0.46lbs	1.36lbs
Screen Pixel	480 x 272 (WQVGA)	800 x 480 (WVGA)
Display Brightness	310 nits (typ)	
LCD Panel Dot Pitch	0.198 mm x 0.198 mm	0.1926 mm x 0.179 mm
Color Scale	16.7 M colors	
Backlight Average Lifetime*	50,000 hours @ 25°C	
Touch Panel Type**	Four-wire analog resistive, single touch	
Project Memory	45MB	
Number of Screens	Up to 999 screens – limited by project memory	
Realtime Clock	Realtime clock built into panel, backed up for 30 days at 25°C	
Calendar – Month / Day / Year	Yes - monthly deviation 60sec (Reference)	
Serial Port 1	15-pin D-sub female – RS232C, RS-422/485	
Serial Port 2	RJ-12 modular jack – RS-232C	
Serial Port 3	N/A	
USB Port – Type B	USB 2.0 High speed (480 Mbps) Type B – Download/Program – Max. cable length 15-feet	
USB Port – Type A	USB 2.0 High speed (480 Mbps) Type A – for USB device options – Max. cable length 15-feet – Bus Power – Less than 500mA at 5VDC	
Ethernet Port	10/100 Base-T	
Ethernet Port – Expansion Module	N/A	
Audio Line Out	Only with USB to Audio adapter (Not included)	
Mic In (Future)	No	
SD Card Slot	1 slot supports max 2GB (SD), max 32GB (SDHC)	
HDMI Video Out	N/A	
HDMI Supported Resolution	N/A	
Supply Power	10.2-26.4 VDC Class 2 or SELV (Safety Extra-Low Voltage) Circuit / Limited Energy Circuit (LEC). Reverse Polarity Protected	
Power Consumption	8.0 W 0.67 A @ 12VDC 0.33 A @ 24VDC	10.0 W 0.83 A @ 12VDC 0.42 A @ 24VDC
Internal Fuse (non-replaceable)	4.0A	
Altitude	Up to 2000m (6562ft)	
Operating Temperature	0 to 50°C (32 to 122°F) Maximum surrounding air temperature rating: 50°C (122°F) IEC 60068-2-14 (Test Nb, Thermal Shock)	
Storage Temperature	–20 to +60°C (–4 to +140°F) IEC 60068-2-1 (Test Ab, Cold); IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock)	
Humidity	5-95% RH (non-condensing)	
Environment	For use in Pollution Degree 2 environment, no corrosive gases permitted	
Noise Immunity	(EN61131-2), EN61000-4-2 (ESD), EN61000-4-3 (RFI), EN61000-4-4 (FTB), EN61000-4-5 (Surge), EN61000-4-6 (Conducted); EN61000-4-8 (Power frequency magnetic field immunity); (Local Test) RFI, (145MHz, 440Mhz 10W @ 10cm), Impulse 1000V @ 1µs pulse	
Withstand Voltage	1000VAC, 1min. (FG to Power supply)	
Insulation Resistance	> 10M ohm @ 500VDC (FG to Power supply)	
Vibration	IEC60068-2-6 (Test Fc)	
Shock	IEC60068-2-27 (Test Ea)	
Emission	EN55011 Class A (Radiated RF emission)	
Enclosure	NEMA 250 type 4/4X indoor use only UL50 type 4X indoor use only IP-65 indoor use only (When mounted correctly)	
Agency Approvals	UL61010, CE (EN61131-2), RoHS (2011/65/EU), CUL Canadian C22.2	

NOTES: *The backlight average lifetime is defined as the average usage time it takes before the brightness becomes 50% of the initial brightness. The lifetime of the backlight depends on the ambient temperature. The lifetime will decrease under low or high temperature usage.
**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 Selection Guide & Specifications

Specifications				
Model	*10" TFT color*	*12" TFT color*	*15" TFT color*	*22" TFT color*
Part Number	CM5-T10W	CM5-T12W	CM5-T15W	CM5-T22W
Price	$769.00	$1,029.00	$1,609.00	$1,999.00
Display Actual Size and Type	10.1" color TFT LCD	12.1" color TFT LCD	15.6" color TFT LCD	21.5" color TFT LCD
Display Viewing Area	222.72mm x 125.28mm [8.77" x 4.93"]	261.12mm x 163.2mm [10.28" x 6.43"]	344.232mm x 193.536mm [13.55" x 7.62"]	476.064mm x 267.786mm [18.74" x 10.54"]
Weight	2.29lbs	3.44lbs	5.51lbs	12.88lbs
Screen Pixel	1024 x 600 (WSVGA)	1280 x 800 (WXGA)	1366 x 768 (HD)	1920 x 1080 (FHD)
Display Brightness	315 nits (typ)	280 nits (typ)		
LCD Panel Dot Pitch	0.2175 x 0.2088 mm	0.2040mm x 0.2040 mm	0.252mm x 0.252 mm	0.24795mm x 0.24795 mm
Color Scale	16.7 M colors			
Backlight Average Lifetime*	50,000 hours @ 25°C			
Touch Panel Type**	Four-wire analog resistive, single touch			
Project Memory	90MB			
Number of Screens	Up to 999 screens – limited by project memory			
Realtime Clock	Realtime clock built into panel, backed up for 30 days at 25°C			
Calendar – Month / Day / Year	Yes - monthly deviation 60sec (Reference)			
Serial Port 1	15-pin D-sub female – RS232C, RS-422/485			
Serial Port 2	RJ-12 modular jack – RS-232C			
Serial Port 3	3-wire terminal block – RS-485			
USB Port – Type B	USB 2.0 High speed (480 Mbps) Type B – Download/Program – Max. cable length 15-feet			
USB Port – Type A	(3) USB 2.0 High speed (480 Mbps) Type A – for USB device options – Max. cable length 15-feet – Bus Power – Less than 500mA each (less than 1500mA total) at 5VDC			
Ethernet Port	(2) 10/100 Base-T			
Ethernet Port – Expansion Module	N/A			
Audio Line Out	Only with USB to Audio adapter (Not included)			
Mic In (Future)	No			
SD Card Slot	1 slot supports max 2GB (SD), max 32GB (SDHC) max 2TB (SDXC)			
HDMI Video Out	N/A			
HDMI Supported Resolution	N/A			
Supply Power	10.2-26.4 VDC Class 2 or SELV (Safety Extra-Low Voltage) Circuit / Limited Energy Circuit (LIM), Reverse Polarity Protected			
Power Consumption	21.0 W 1.75 A @ 12VDC 0.88 A @ 24VDC	35.0 W 2.92 A @ 12VDC 1.46 A @ 24VDC		40.0 W 3.33 A @ 12VDC 1.67 A @ 24VDC
Internal Fuse (non-replaceable)	12A			
Altitude	Up to 2000m (6562ft)			
Operating Temperature	0 to 50°C (32 to 122°F) Maximum surrounding air temperature rating: 50°C (122°F) IEC 60068-2-14 (Test Nb, Thermal Shock)			
Storage Temperature	−20 to +60°C (−4 to +140°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock)			
Humidity	5-95% RH (non-condensing)			
Environment	For use in Pollution Degree 2 environment, no corrosive gases permitted			
Noise Immunity	(EN61131-2), EN61000-4-2 (ESD), EN61000-4-3 (RFI), EN61000-4-4 (FTB), EN61000-4-5 (Surge), EN61000-4-6 (Conducted) EN61000-4-8 (Power frequency magnetic field immunity) (Local Test) RFI, (145MHz, 440Mhz 10W @ 10cm), Impulse 1000V @ 1µs pulse			
Withstand Voltage	1000VAC, 1min. (FG to Power supply)			
Insulation Resistance	> 10M ohm @ 500VDC (FG to Power supply)			
Vibration	IEC60068-2-6 (Test Fc)			
Shock	IEC60068-2-27 (Test Ea)			
Emission	EN55011 Class A (Radiated RF emission)			
Enclosure	NEMA 250 type 4/4X indoor use only UL50 type 4X indoor use only; IP-65 indoor use only (When mounted correctly)			
Agency Approvals	UL61010, CE (EN61131-2), RoHS (2011/65/EU), CUL Canadian C22.2			

NOTES: ***The backlight average lifetime is defined as the average usage time it takes before the brightness becomes 50% of the initial brightness. The lifetime of the backlight depends on the ambient temperature. The lifetime will decrease under low or high temperature usage.
**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 Selection Guide & Specifications

Specifications	
Model	**Headless**
Part Number	CM5-RHMI
Price	$599.00
Display	None
Weight	480g(1.06lb)
Project Memory	90MB
Number of Screens	Up to 999 screens – limited by project memory
Realtime Clock	Realtime clock built into panel, backed up for 30 days at 25°C
Calendar – Month / Day / Year	Yes - monthly deviation 60sec (Reference)
Serial Port 1	15-pin D-sub female – RS232C, RS-422/485
Serial Port 2	3-wire terminal block – RS-485
USB Port – Type B	USB 2.0 High speed (480 Mbps) Type B – Download/Program – Max. cable length 15-feet
USB Port – Type A	(4) USB 2.0 High speed (480 Mbps) Type A – for USB device options – Max. cable length 15-feet – Bus Power – Less than 500mA each (less than 2000mA total) at 5VDC
Ethernet Port	(2) 10/100 Base-T
Audio Line Out	Only with USB to Audio adapter (Not included)
Mic In (Future)	No
SD Card Slot	1 slot supports max 2GB (SD), max 32GB (SDHC) max 2TB (SDXC)
HDMI Video Out	HDMI Type A Port
HDMI Supported Resolution	640 x 480 (VGA) 60Hz 720 x 480 (SD) 60Hz 1024 x 768 (XGA) 60Hz 1280 x 720 (HD) 60Hz 1920 x 1080 (FHD) 60Hz With automatic negotiation function for HDMI displays
Supply Power	10.2-26.4 VDC Class 2 or SELV (Safety Extra-Low Voltage) Circuit / Limited Energy Circuit (LIM), Reverse Polarity Protected
Power Consumption	18.0 W 1.50 A @ 12VDC 0.875 A @ 24VDC
Internal Fuse (non-replaceable)	12A
Altitude	Up to 2000m (6562ft)
Operating Temperature	0 to 50°C (32 to 122°F) Maximum surrounding air temperature rating: 50°C (122°F) IEC 60068-2-14 (Test Nb, Thermal Shock)
Storage Temperature	–20 to +60°C (–4 to +140°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock)
Humidity	5-95% RH (non-condensing)
Environment	For use in Pollution Degree 2 environment, no corrosive gases permitted
Noise Immunity	(EN61131-2) EN61000-4-2 (ESD) EN61000-4-3 (RFI) EN61000-4-4 (FTB) EN61000-4-5 (Surge) EN61000-4-6 (Conducted) EN61000-4-8 (Power frequency magnetic field immunity) (Local Test) RFI, (145MHz, 440Mhz 10W @ 10cm) Impulse 1000V @ 1μs pulse
Withstand Voltage	1000VAC, 1min. (FG to Power supply)
Insulation Resistance	> 10M ohm @ 500VDC (FG to Power supply)
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Emission	EN55011 Class A (Radiated RF emission)
Agency Approvals	UL61010, CE (EN61131-2), RoHS (2011/65/EU) and amendment(EU)2015/863, CUL Canadian C22.2

C-more Communication Protocols

Compatibility Table		
PLC Family	**Model**	**Protocols**
Allen-Bradley	MicroLogix 1000, 1100, 1200, 1400 and 1500	DF1 Half Duplex; DF1 Full Duplex
	SLC 5-/03/04/05	
	ControlLogix™, CompactLogix™, FlexLogix™	
	PLC-5	DF1 Full Duplex
	ControlLogix, CompactLogix, FlexLogix - Tag Based	DF1 Half Duplex; DF1 Full Duplex
	ControlLogix, CompactLogix, FlexLogix - Generic I/O Messaging	EtherNet/IP Server
	ControlLogix, CompactLogix, FlexLogix - Tag Based	EtherNet/IP Client
	Micrologix 1100, 1400 & SLC5/05, all via native Ethernet port	
	MicroLogix 1000, 1100, 1200, 1400,1500 & SLC 5-03/04/05, all via ENI Adapter	
	Micro 800 series	Modbus RTU
		Modbus TCP
	Micro 800 series - Tag Based	DF1 Full Duplex
		EtherNet/IP Client
Modbus RTU	Modbus RTU devices	Modbus RTU
Modbus TCP/IP	Modbus TCP/IP devices	Modbus TCP/IP
GE	90/30, 90/70, Micro 90, VersaMax Micro	SNPX
	90/30, Rx3i	SRTP Ethernet
Mitsubishi	FX Series	FX Direct
	Q02, Q02H, Q06H, Q12H, Q25H	Q CPU
	Q, QnA Serial	QnA Serial
	Q, QnA Ethernet	QnA Ethernet
Omron	C200 Adapter, C500	Host Link
	CJ1/CS1 Serial, CJ1/CS1 Ethernet	FINS
Modicon	984 CPU, Quantum 113 CPU, AEG Modicon Micro Series 110 CPU: 311-xx, 411-xx, 512-xx, 612-xx	Modbus RTU
Siemens	S7-200 CPU, RS-485 Serial	PPI
	S7-200 CPU, S7-300 CPU, S7-400, S7-1200 CPU, S7-1500; Ethernet	Ethernet ISO over TCP
Productivity Series	all	Productivity Serial
		Productivity Ethernet
Do-more	all	Do-more Serial
		Do-more Ethernet
CLICK	all	Modbus (CLICK addressing)
		Modbus TCP (CLICK addressing)
Direct LOGIC	DL05/DL06	all	K-Sequence
			DirectNET
			Modbus (Koyo addressing)
		H0-ECOM/H0-ECOM100	Direct LOGIC Ethernet
	DL105	all	K-Sequence
	DL205	D2-230	K-Sequence
		D2-240	K-Sequence
			DirectNET
		D2-250/D2-250-1/D2-260/D2-262	K-Sequence
			DirectNET
			Modbus (Koyo addressing)
		D2-240/D2-250-1/D2-260 using D2-DCM	DirectNET
			Modbus (Koyo addressing)
		H2-ECOM/H2-ECOM100	Direct LOGIC Ethernet
	DL305	D3-330/330P (Requires the use of a Data Communications Unit)	DirectNET
		D3-340	DirectNET
		D3-350	K-Sequence
			DirectNET
			Modbus (Koyo addressing)
		D3-350 using D3-DCM	DirectNET
			Modbus (Koyo addressing)
	DL405	D4-430	K-Sequence
			DirectNET
		D4-440	K-Sequence
			DirectNET
		D4-450/D4-454	K-Sequence
			DirectNET
			Modbus (Koyo addressing)
		All with D4-DCM	DirectNET
			Modbus (Koyo addressing)
		H4-ECOM/H4-ECOM100	Direct LOGIC Ethernet
	H2-WinPLC (Think & Do) Live V5.2 or later and Studio any version		Think & Do Modbus RTU (serial port)
	H2-WinPLC (Think & Do) Live V5.5.1 or later and Studio V7.2.1 or later		Think & Do Modbus TCP/IP (Ethernet port)

For the latest prices, please check AutomationDirect.com.

C-more Communication Cables

Cable Part Number	Product Photo	Cable Description	Price
EA-2CBL		AutomationDirect communication cable, 15-pin male D-sub to 6-pin RJ12, shielded, 9.8ft/3m cable length. For use with *C-more* or *C-more* Micro panel and AutomationDirect PLCs with RJ12 ports.	$31.00
EA-2CBL-1		AutomationDirect communication cable, 15-pin male D-sub to 15-pin D-sub HD15 male, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and a DL06, D2-250(-1), D2-260 or D2-262 (bottom port) CPU.	$31.50
EA-3CBL		AutomationDirect communication cable, 15-pin male D-sub to 4-pin RJ11, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and a D3-340 CPU top or bottom port.	$31.00
EA-4CBL-1		AutomationDirect communication cable, 15-pin male D-sub to 15-pin male D-sub, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and a DL405 (top port) CPU.	$31.00
EA-4CBL-2		AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and a D2-DCM, D3-232-DCU, D3-350 (bottom port) or DL405 (bottom port) CPU.	$32.00
EA-MLOGIX-CBL		AutomationDirect communication cable, 15-pin male D-sub to 8-pin male mini DIN, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and an Allen-Bradley Micrologix CPU.	$47.50
EA-SLC-232-CBL		AutomationDirect communication cable, 15-pin male D-sub to 9-pin female D-sub, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and an Allen-Bradley SLC 5/03, 5/04 or 5/05 CPU with DF-1 port.	$31.00
EA-PLC5-232-CBL		AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and an Allen-Bradley PLC-5 CPU with a DF1 port.	$31.00
EA-90-30-CBL		AutomationDirect communication cable, 15-pin male D-sub to 15-pin male D-sub, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro and GE Fanuc Series 90/30 or 90/70 serial port.	$31.00
EA-MITSU-CBL		AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and a Mitsubishi FX Series CPU.	$31.00
EA-MITSU-CBL-1		AutomationDirect communication cable, 15-pin male D-sub to 8-pin male mini DIN, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and a Mitsubishi FX Series CPU.	$31.00
EA-OMRON-CBL		AutomationDirect communication cable, 15-pin male D-sub to 25-pin male D-sub, shielded, 3m/9.8ft cable length. For use with *C-more* or *C-more* Micro panel and an Omron C200 or C500 CPU.	$31.00

Note - Refer to the appropriate User Manual for specific cable pinouts, communication protocols and connection instructions.

C-more Accessories

Accessories

C-more touch panels can be enhanced with the accessories below:

Part Number	Price	Description
HMI-4W-COV	$44.50	*C-more* screen protector, non-glare, 4.3in. Package of 3. For use with *C-more* 4in widescreen HMIs.
HMI-7W-COV	$51.00	*C-more* screen protector, non-glare, 7in. Package of 3. For use with *C-more* 7in widescreen HMIs.
HMI-10W-COV	$59.00	*C-more* screen protector, non-glare, 10.1in. Package of 3. For use with *C-more* 10in widescreen HMIs.
HMI-12W-COV	$43.00	*C-more* screen protector, non-glare, 12.1in. Package of 3. For use with *C-more* CM5-T12W widescreen HMIs.
HMI-15W-COV	$49.00	*C-more* screen protector, non-glare, 15.6in. Package of 3. For use with *C-more* CM5-T15W widescreen HMIs.
HMI-22W-COV	$73.00	*C-more* screen protector, non-glare, 21.5in. Package of 3. For use with *C-more* CM5-T22W widescreen HMIs.
EA-SD-CARD	$130.00	*C-more* industrial memory card, 2GB SD. For use with all products with SD memory card slot.
MSD-SLC16G	$100.00	CLICK industrial memory card, 16GB microSD. For use with all products with microSD memory card slot.
USB-FLASH	$25.50	SanDisk USB Flash drive, 32GB.
EA-COMCON-3	$55.00	*C-more* DSUB port adapter, 15-pin male to 6-pole RS-422/485 terminal block, right angle cable entry. For use with *C-more* Micro EA1 series 4in and 6in HMIs, *C-more* Micro EA3 series 3in, 4in, and 6in HMIs, *C-more* EA9 6in and 7in HMIs and *C-more* CM5 series 4in HMI.
EA-COMCON-3A	$30.50	*C-more* Micro DSUB port adapter, 15-pin male to 6-pole RS-422/485 terminal block, straight cable entry. For use with *C-more* Micro EA1 3in with EA1-MG-SP1, EA3 8in and 10in HMIs, *C-more* EA9 8in, 10in, 12in and 15in and CM5 7in, 10in, 12in, 15in and 22in HMIs.

Accessory Locations

CM5-T4W

USB-FLASH
USB Pen Drive

EA-COMCON-3
D-SUB Port Adapter

EA-SD-CARD
SD Card

C-more Touch Panel

HMI-xW-COV
Screen Protector
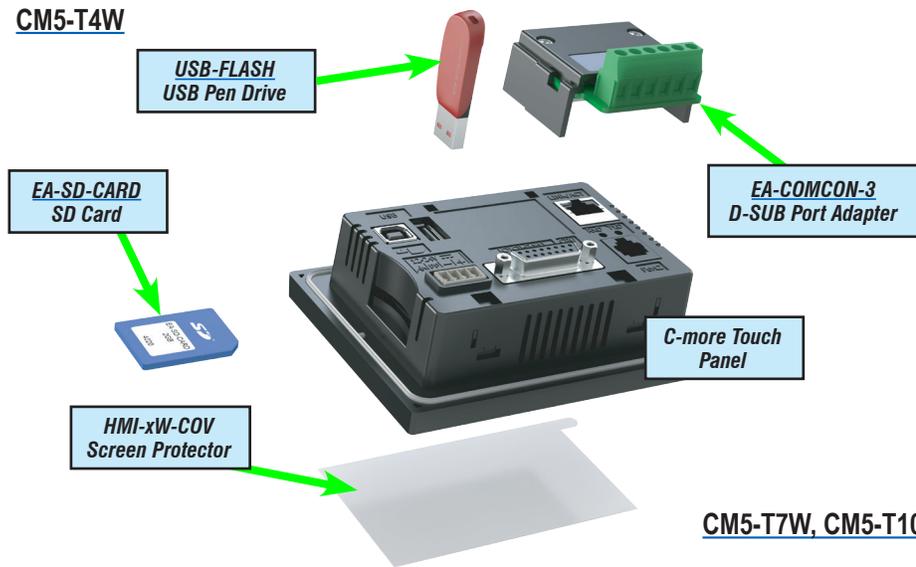
CM5-T7W, CM5-T10W, CM5-T12W, CM5-T15W, CM5-T22W

C-more Touch Panel

EA-SD-CARD
SD Card

EA-COMCON-3A
Port Adapter

HMI-xW-COV
Screen Protector

USB-FLASH
USB Pen Drive
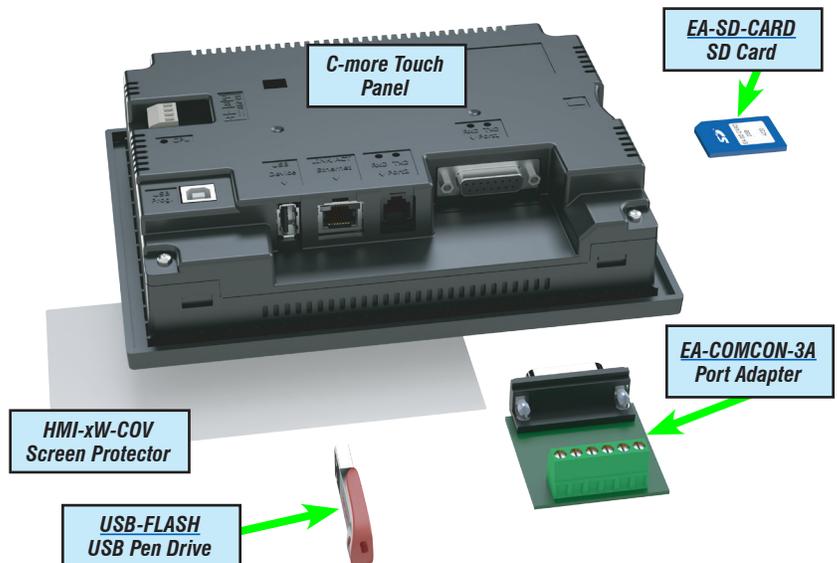
C-more Accessories

SD Cards

EA-SD-CARD

$130.00

MSD-SLC16G

$100.00

SD memory cards for non-volatile storage, 2GB or 16GB industrial grade. High operating temperature make EA-SD-CARD and MSD-SLC16G suitable for data logging in industrial applications. These cards are recommended for *C-more* CM5 series.

EA-SD-CARD and MSD-SLC16G utilize SLC technology so they are the fastest and most reliable option for writing and storing data. If logged data is saved to external memory, AutomationDirect recommends using EA-SD-CARD. and MSD-SLC16G. SLC Flash has the longest lifespan of flash types and can operate in a broader temperature range than other types.

EA-SD-CARD and MSD-SLC16G with SLC Flash memory is recommended for industrial workloads that require heavy read / write cycles.

SD Card Specifications		
Part Number	EA-SD-CARD	MSD-SLC16G
Operating Temperature	0 to 70°C (32 to 158°F)	-40 to 85°C (-40 to 185°F)
Humidity	20 to 85% (non-condensing)	0 to 95% (non-condensing)
Capacity	2GB	16GB
Flash Type	SLC	3D NAND Flash (SLC Mode)
Speed Modes	High-Speed Normal-Speed	UHS-I
Interface	SD Memory Card Specification Ver. 3.0	SD Memory Card Specification Ver. 5.1
Speed Class	Class 6	Class 10

USB Flash Drive

USB-FLASH

$25.50

USB-FLASH sold by AutomationDirect has been tested with *C-more* HMIs and is Hi-Speed USB 2.0 certified. The MSD-SLC16G is the best option for logging data, but the USB-FLASH is a high-quality flash drive perfect for transferring log files, capturing screens, backing up and restoring projects and storing images for the Image Viewer object.

C-more Accessories

D-SUB 15-pin to Terminal Block Adapter - Right Angle

The EA-COMCON-3 adapter plugs into the 15-pin serial port on the rear of a panel to allow wire terminal connections for an RS-422/RS-485 communication cable. For use with *C-more* Micro EA1 series 4in and 6in HMIs, *C-more* Micro EA3 series 3in, 4in, and 6in HMIs, *C-more* EA9 series 6in and 7in HMIs, *C-more* CM5 series 4in HMI.

Part No.
EA-COMCON-3

$55.00

Dimensions
Units: inches [mm]

1.756
[44.6]

1.873
[47.6]

1.126
[28.6]

EA-COMCON-3

Terminals

GND SD– SD+ RD– RD+ TERM
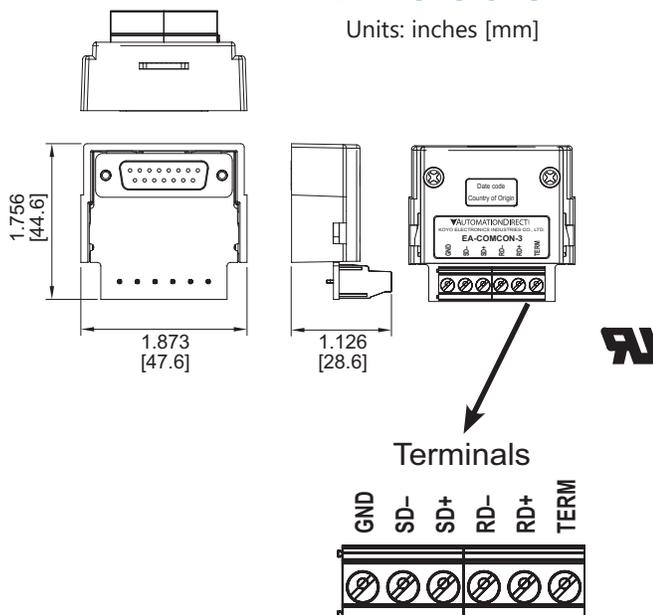
D-SUB 15-pin to Terminal Block Adapter - Straight Through

The EA-COMCON-3A adapter plugs into the 15-pin serial port on the rear of a panel to allow wire terminal connections for an RS-422/RS-485 communication cable. For use with *C-more* Micro EA1 series 3in with EA1-MG-SP1, *C-more* Micro EA3 series 8in and 10in HMIs, *C-more* EA9 series 8in, 10in, 12in and 15in HMIs, *C-more* CM5 series Headless, 7in, 10in, 12in, 15in, and 22in HMIs. The EA-COMCON-3A is not UL recognized or listed.

Part No.
EA-COMCON-3A

$30.50

Dimensions
Units: inches [mm]

0.60
[15.3]

2.07
[52.6]

0.68
[17.4]

1.70
[43.2]

GND SD– SD+ RD– RD+ TERM

Terminals

GND SD– SD+ RD– RD+ TERM
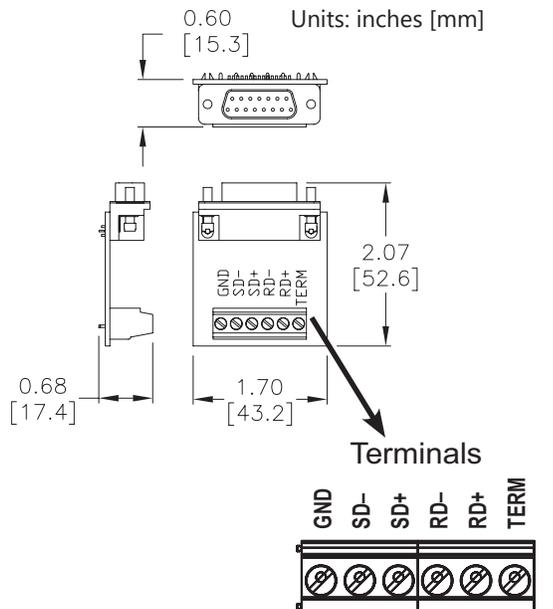
| EA-COMCON-3(A) Wiring Specs	
Wire Size	**Screw Torque**
14-24 AWG	4.4 lb-in [0.5 Nm]

C-more Accessories

Non-glare Screen Covers (in packages of 3)

The non-glare screen covers are protective overlays used to protect the touch screen while helping to reduce the glare from external light sources.

Part Numbers: HMI-4W-COV, HMI-7W-COV, HMI-10W-COV, HMI-12W-COV, HMI-15W-COV, HMI-22W-COV

Dimensions

Units: inches [mm]
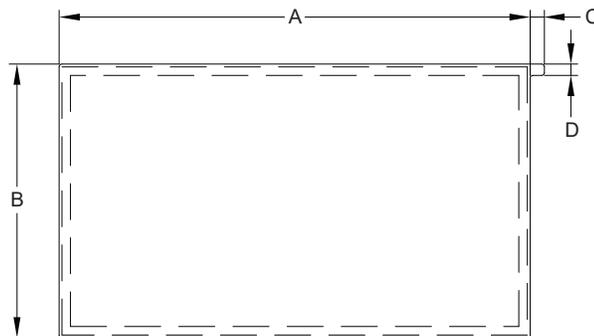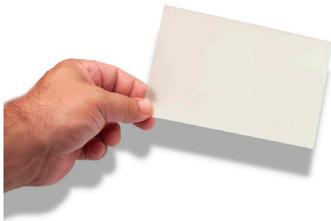
HMI-4W-COV	$44.50
HMI-7W-COV	$51.00
HMI-10W-COV	$59.00
HMI-12W-COV	$43.00
HMI-15W-COV	$49.00
HMI-22W-COV	$73.00

Non-glare Screen Covers Dimensions (inches [mm])

Part Number	A	B	C	D
HMI-4W-COV	4.15 [105.5	2.52 [64.0]		
HMI-7W-COV	6.40 [162.6]	4.00 [101.5]		
HMI-10W-COV	9.23 [234.5]	5.38 [136.7]	0.20 [5.0]	0.16 [4.0]
HMI-12W-COV	10.70 [271.9]	6.85 [173.9]		
HMI-15W-COV	14.13 [358.9]	8.19 [208.2]		
HMI-22W-COV	19.33 [491.0]	11.13 [282.6]		

Installation

NOTE: The Protective Cover ships with a thin protective sheet on the face of the cover that needs to be carefully removed. If your panel is not clear, the protective sheet may not have been removed.

Operator Interface

C-more Replacement Parts

These replacement parts can be used to replace damaged, worn or lost **C-more** components.

Replacement parts at a glance:

Part Number	Price		Description
HMI-BRK-1	$23.00		**C-more** panel mounting brackets, replacement. Package of 2. For use with **C-more** CM5-T4W 4in HMI.
HMI-BRK-2	$35.00		**C-more** panel mounting brackets, replacement. Package of 8. For use with **C-more** CM5 series 7in, 10in, 12in, 15in and 22in HMIs.
HMI-LOGO-LBL	$31.00		**C-more** blank label insert, replacement. Package of 10. For use with **C-more** CM5 series HMI front bezel.
HMI-3TB	$12.50		**C-more** pluggable terminal block, replacement, 3-pole. Package of 2. For use with 3-wire RS-485 communications port on **C-more** CM5 series HMIs.
C0-4TB	$10.00		CLICK terminal blocks, replacement, 4-pole. Package of 2. For use with CLICK PLCs and **C-more** CM5 series HMIs.
HMI-4W-GSK	$11.50		**C-more** panel mounting gasket, replacement. For use with **C-more** CM5-T4W 4in HMI.
HMI-7W-GSK	$27.00		**C-more** panel mounting gasket, replacement. For use with **C-more** CM5-T7W 7in HMI.
HMI-10W-GSK	$28.00		**C-more** panel mounting gasket, replacement. For use with **C-more** CM5-T10W 10in HMI.
HMI-12W-GSK	$29.00		**C-more** panel mounting gasket, replacement. For use with **C-more** CM5-T12W 12in HMI.
HMI-15W-GSK	$30.00		**C-more** panel mounting gasket, replacement. For use with **C-more** CM5-T15W 15in HMI.
HMI-22W-GSK	$36.00		**C-more** panel mounting gasket, replacement. For use with **C-more** CM5-T22W 22in HMI.
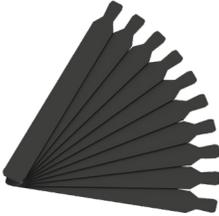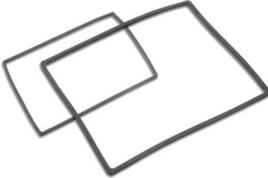
C-more Programming Software

CM5-PGMSW - *FREE* Download!

C-more Programming Software can be downloaded at no charge or a USB version may be purchased by ordering CM5-PGMSW. The software requires a USB port or Ethernet connection* on your PC to connect to the *C-more* panel. Software Help Files are included in the download. This software programs all the *C-more* panels.

CM5-PGMSW USB Flash Drive

$12.50

Software Features

- Over 50 objects including 16 pen trends, switches, PID trend faceplate, PID bar graph
- Event Manager allows for logging and notifications
- Language support for objects in German, French, Italian, Spanish, Chinese and Japanese Characters
- Project simulator
- Bitmap animation
- E-mail messaging
- Built-in FTP server / Web server
- Popup windows
- Data logging to USB/SD flash drive
- USB 2.0 Type B port for programming
- Historical alarms with time and date stamp along with alarm frequency reporting
- Supports simultaneous communication to multiple brands of PLC/PACs
- Mouse and keyboard support within the project
- Remote HMI feature with smart phone / tablet / PC
- 2 year warranty

Computer System Requirements

CM5-PGMSW will run on PCs that meet the following requirements:

- Windows OS: 8: 32 & 64 bit, 8.1: 32 & 64 bit, 10, 11
- 2GB of available memory
- 1GB hard drive space
- Available Ethernet or USB port