

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
- Webserver (Secure HTTPs)
- 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 |
|---------------------------------|------------|---|----------------------------|
| <u>CM5-T4W</u> | \$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. | <u>PDF</u> |
| <u>CM5-T7W</u> | \$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. | <u>PDF</u> |
| <u>CM5-T10W</u> | \$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. | <u>PDF</u> |
| <u>CM5-T12W</u> | \$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. | <u>PDF</u> |
| <u>CM5-T15W</u> | \$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. | <u>PDF</u> |
| <u>CM5-T22W</u> | \$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. | <u>PDF</u> |
| <u>CM5-RHMI</u> | \$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. | <u>PDF</u> |

C-more 22" TFT Color Touch Panel

CM5-T22W

C-more CM5 series touch screen HMI, 21.5-inch color TFT LCD, 16.7M colors, 1920 x 1080 pixel FHD 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.

Features

- 21.5" diagonal color TFT (thin film transistor) LCD display with 16.7M colors
- 1920 x 1080 pixel resolution
- 280 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

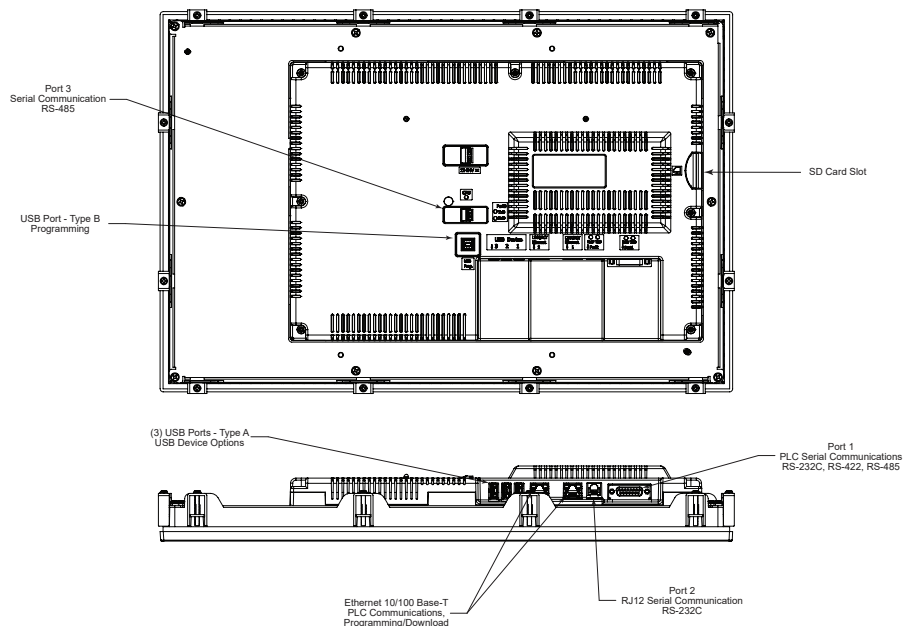


| Function | Available |
|--------------------------------|-----------|
| Ethernet | 2 Ports |
| USB | 4 Ports |
| SD Card | 1 Slot |
| Audio Out | USB* |
| RJ12 (RS-232C) | Yes |
| DB15 (RS-232C, RS-422, RS-485) | Yes |
| RS-485 3-wire | Yes |
| *with USB to Audio Adapter | |

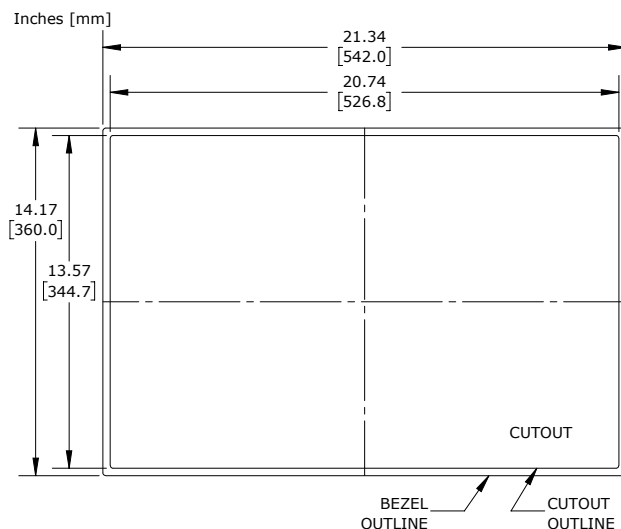


\$1,999.00

Communication Ports



Cutout Dimensions



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 | 10.0 W |
| | 0.67 A @ 12VDC 0.33 A @ 24VDC | 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 | |
| | SLC 5-03/04/05 | DF1 Half Duplex; DF1 Full Duplex |
| | 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 | |
| | Micrologix 1100, 1400 & SLC5/05, all via native Ethernet port | EtherNet/IP Client |
| | MicroLogix 1000, 1100, 1200, 1400, 1500 & SLC 5-03/04/05, all via ENI Adapter | |
| | Micro 800 series | Modbus RTU |
| Modbus RTU | Modbus RTU devices | Modbus TCP |
| | | DF1 Full Duplex |
| | | EtherNet/IP Client |
| | | |
| 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 | K-Sequence |
| | | DirectNET |
| | | Modbus (Koyo addressing) |
| | | Direct LOGIC Ethernet |
| | DL105 | K-Sequence |
| | | |
| | DL205 | K-Sequence |
| | | K-Sequence |
| | | DirectNET |
| | | K-Sequence |
| | | DirectNET |
| | | Modbus (Koyo addressing) |
| | | DirectNET |
| | | Modbus (Koyo addressing) |
| | | Direct LOGIC Ethernet |
| | | |
| | DL305 | DirectNET |
| | | DirectNET |
| | | K-Sequence |
| | | DirectNET |
| | | Modbus (Koyo addressing) |
| | | DirectNET |
| | DL405 | Modbus (Koyo addressing) |
| | | K-Sequence |
| | | DirectNET |
| | | K-Sequence |
| | | DirectNET |
| | | K-Sequence |
| | | DirectNET |
| | | Modbus (Koyo addressing) |
| | | DirectNET |
| | | Modbus (Koyo addressing) |
| | H2-WinPLC (Think & Do) Live V5.2 or later and Studio any version | Direct LOGIC Ethernet |
| | | 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) |
| | | |

C-more Communication Cables

| Cable Part Number | Product Photo | Cable Description | Price |
|--|---|---|---------|
| <u>EA-2CBL</u> |  | 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. | \$37.00 |
| <u>EA-2CBL-1</u> |  | 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. | \$38.00 |
| <u>EA-3CBL</u> |  | 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. | Retired |
| <u>EA-4CBL-1</u> |  | 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. | \$37.00 |
| <u>EA-4CBL-2</u> |  | 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. | \$38.50 |
| <u>EA-MLOGIX-CBL</u> |  | 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. | \$57.00 |
| <u>EA-SLC-232-CBL</u> |  | 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. | \$37.00 |
| <u>EA-PLC5-232-CBL</u> |  | 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. | Retired |
| <u>EA-90-30-CBL</u> |  | 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. | \$37.00 |
| <u>EA-MITSU-CBL</u> |  | 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 |
| <u>EA-MITSU-CBL-1</u> |  | 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. | \$37.00 |
| <u>EA-OMRON-CBL</u> |  | 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. | \$37.00 |

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

C-more Accessories

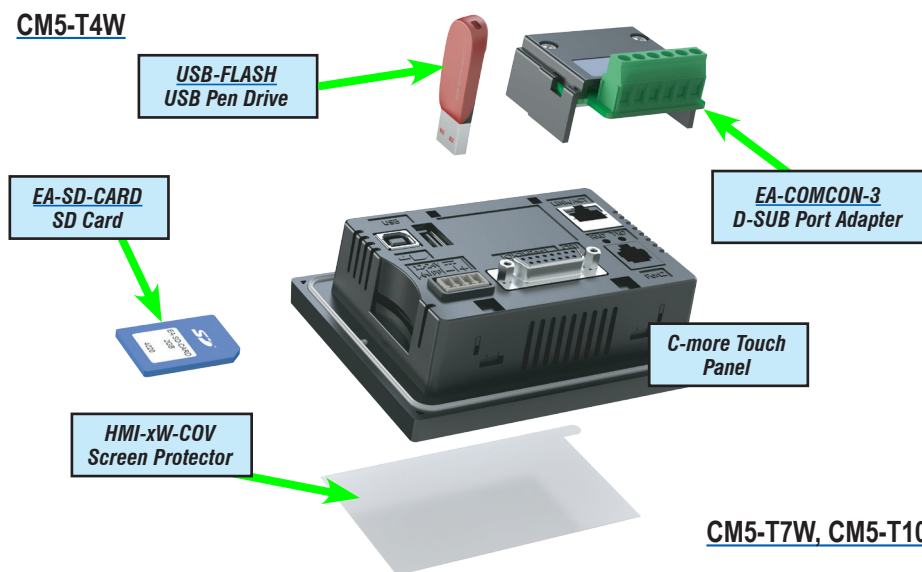
Accessories

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

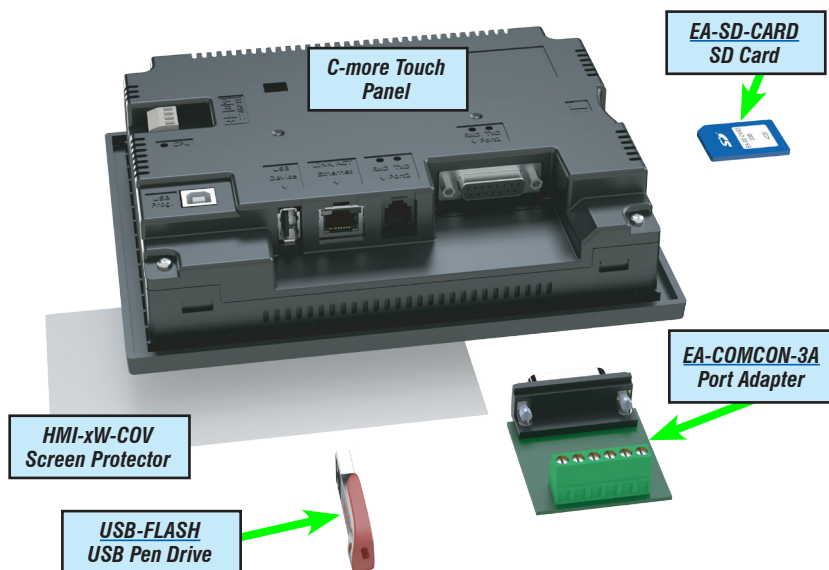
| Part Number | Price | Description |
|-------------------------------------|----------|--|
| <u>HMI-4W-COV</u> | \$44.50 | C-more screen protector, non-glare, 4.3in. Package of 3. For use with C-more 4in widescreen HMIs. |
| <u>HMI-7W-COV</u> | \$51.00 | C-more screen protector, non-glare, 7in. Package of 3. For use with C-more 7in widescreen HMIs. |
| <u>HMI-10W-COV</u> | \$59.00 | C-more screen protector, non-glare, 10.1in. Package of 3. For use with C-more 10in widescreen HMIs. |
| <u>HMI-12W-COV</u> | \$46.50 | C-more screen protector, non-glare, 12.1in. Package of 3. For use with C-more CM5-T12W widescreen HMIs. |
| <u>HMI-15W-COV</u> | \$53.00 | C-more screen protector, non-glare, 15.6in. Package of 3. For use with C-more CM5-T15W widescreen HMIs. |
| <u>HMI-22W-COV</u> | \$78.50 | C-more screen protector, non-glare, 21.5in. Package of 3. For use with C-more CM5-T22W widescreen HMIs. |
| <u>EA-SD-CARD</u> | \$140.00 | C-more industrial memory card, 2GB SD. For use with all products with SD memory card slot. |
| <u>MSD-SLC16G</u> | \$103.00 | CLICK industrial memory card, 16GB microSD. For use with all products with microSD memory card slot. |
| <u>USB-FLASH</u> | \$30.50 | SanDisk USB Flash drive, 32GB. |
| <u>EA-COMCON-3</u> | \$59.50 | 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. |
| <u>EA-COMCON-3A</u> | \$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



CM5-T7W, CM5-T10W, CM5-T12W, CM5-T15W, CM5-T22W



C-more Accessories

SD Cards

EA-SD-CARD



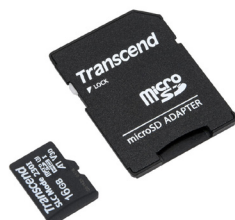
\$140.00

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.

MSD-SLC16G



\$103.00

| 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



\$30.50

[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.

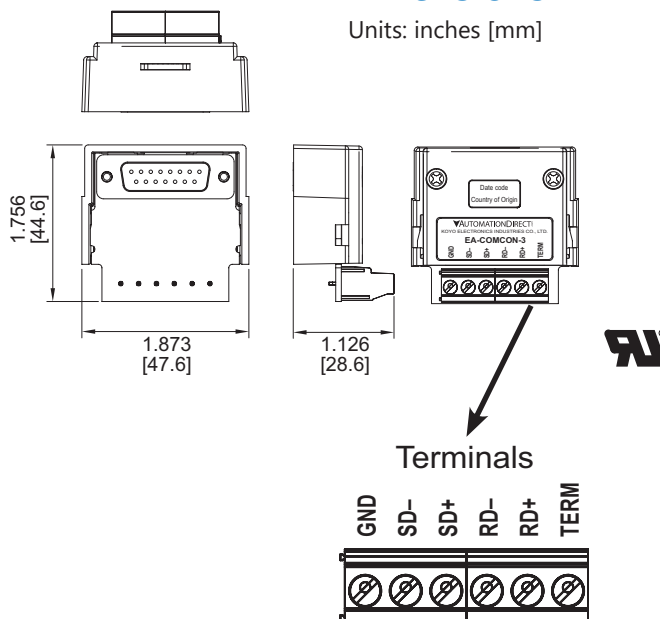
Part No. EA-COMCON-3



\$59.50

Dimensions

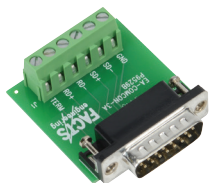
Units: inches [mm]



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.

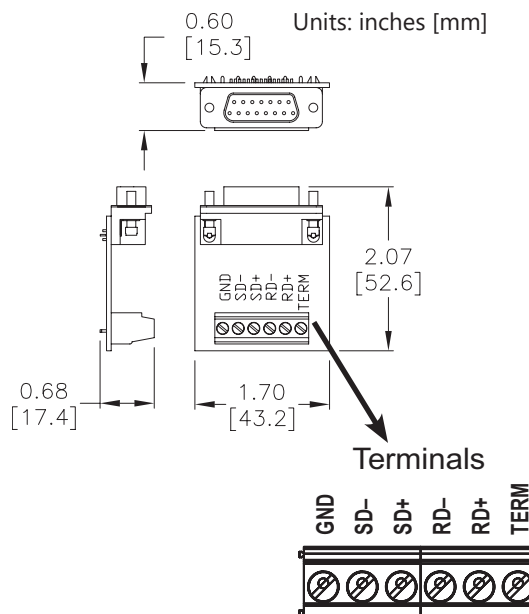
Part No. EA-COMCON-3A



\$30.50

Dimensions

Units: inches [mm]



| EA-COMCON-3(A) Wiring Specs | |
|-----------------------------|--------------------|
| Wire Size | Screw Torque |
| 14-24 AWG | 4.4 lb-in [0.5 Nm] |

C-more Accessories

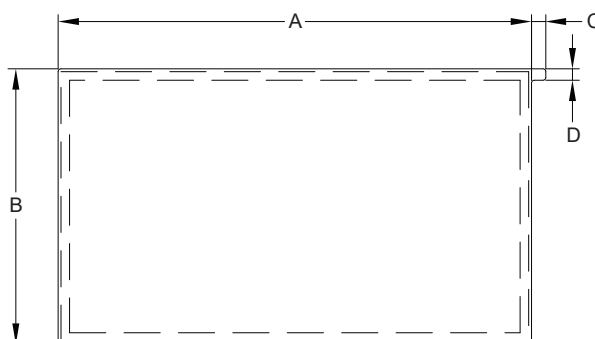
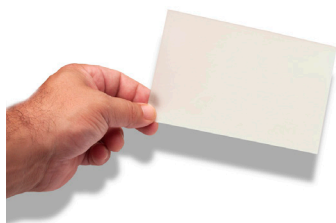
Non-glare Screen Covers (in packages of 3)

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

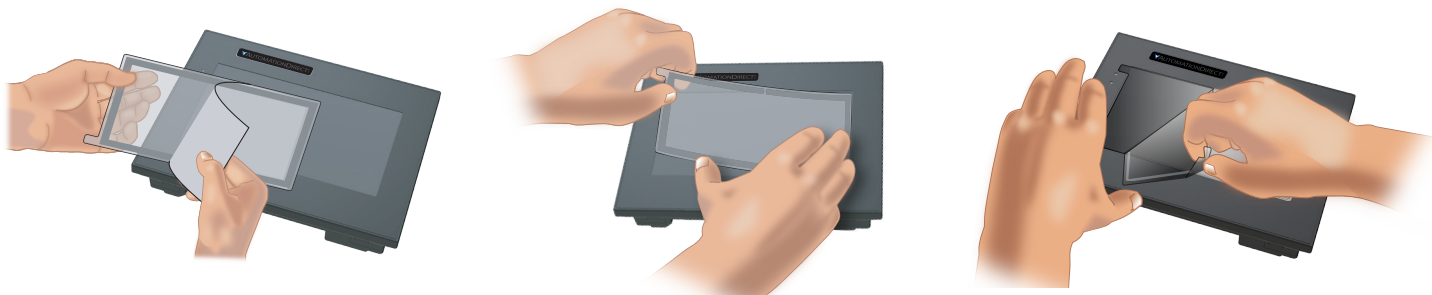
Units: inches [mm]



| | |
|--------------------|---------|
| <u>HMI-4W-COV</u> | \$44.50 |
| <u>HMI-7W-COV</u> | \$51.00 |
| <u>HMI-10W-COV</u> | \$59.00 |
| <u>HMI-12W-COV</u> | \$46.50 |
| <u>HMI-15W-COV</u> | \$53.00 |
| <u>HMI-22W-COV</u> | \$78.50 |

| Non-glare Screen Covers Dimensions (inches [mm]) | | | | |
|---|---------------|---------------|------------|------------|
| Part Number | A | B | C | D |
| <u>HMI-4W-COV</u> | 4.15 [105.5] | 2.52 [64.0] | 0.20 [5.0] | 0.16 [4.0] |
| <u>HMI-7W-COV</u> | 6.40 [162.6] | 4.00 [101.5] | | |
| <u>HMI-10W-COV</u> | 9.23 [234.5] | 5.38 [136.7] | | |
| <u>HMI-12W-COV</u> | 10.70 [271.9] | 6.85 [173.9] | | |
| <u>HMI-15W-COV</u> | 14.13 [358.9] | 8.19 [208.2] | | |
| <u>HMI-22W-COV</u> | 19.33 [491.0] | 11.13 [282.6] | | |

Installation






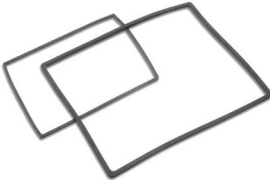


NOTE: The Protective Cover ships with a thin protective sheet on the face of the cover that needs to be carefully removed. If your panel is not clear, the protective sheet may not have been removed.

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 |
|-------------------------------------|---------|---|---|
| <u>HMI-BRK-1</u> | \$23.00 |  | C-more panel mounting brackets, replacement. Package of 2. For use with C-more CM5-T4W 4in HMI. |
| <u>HMI-BRK-2</u> | \$42.00 |  | C-more panel mounting brackets, replacement. Package of 8. For use with C-more CM5 series 7in, 10in, 12in, 15in and 22in HMIs. |
| <u>HMI-LOGO-LBL</u> | \$37.00 |  | C-more blank label insert, replacement. Package of 10. For use with C-more CM5 series HMI front bezel. |
| <u>HMI-3TB</u> | \$15.00 |  | 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. |
| <u>C0-4TB</u> | \$11.00 |  | CLICK terminal blocks, replacement, 4-pole. Package of 2. For use with CLICK PLCs and C-more CM5 series HMIs. |
| <u>HMI-4W-GSK</u> | \$14.00 |  | C-more panel mounting gasket, replacement. For use with C-more CM5-T4W 4in HMI. |
| <u>HMI-7W-GSK</u> | \$29.00 | | C-more panel mounting gasket, replacement. For use with C-more CM5-T7W 7in HMI. |
| <u>HMI-10W-GSK</u> | \$30.50 | | C-more panel mounting gasket, replacement. For use with C-more CM5-T10W 10in HMI. |
| <u>HMI-12W-GSK</u> | \$31.00 | | C-more panel mounting gasket, replacement. For use with C-more CM5-T12W 12in HMI. |
| <u>HMI-15W-GSK</u> | \$32.50 | | C-more panel mounting gasket, replacement. For use with C-more CM5-T15W 15in HMI. |
| <u>HMI-22W-GSK</u> | \$39.00 | | 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 / Webserver (Secure HTTPs)
- 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