The *C-more* Family

Hardware Selection

Part Number	Ethernet	SD Card Slot	Serial Ports	HDMI Video Output	Audio Output
EA9-T6CL-R		1 Slot	1 Port		
EA9-T6CL	Yes	1 Slot	3 Ports		Yes[x]
EA9-T8CL	Yes	1 Slot	3 Ports		Yes[x]
EA9-T10CL	Yes	1 Slot	3 Ports		Yes
EA9-T12CL	Yes	2 Slots	3 Ports	Yes	Yes
EA9-T15CL	Yes	2 Slots	3 Ports	Yes	Yes

Hardware Features

- **64K colors**
- **LED backlights**
- **800MHz CPU**
- **26MB to 82MB project memory depending on model**
- **12 to 24 VDC powered** (Optional AC module available)
- **Built in Real-time Clock with 30 day backup** (No Battery required)
- **NEMA 4/4X IP65**
- **USB 2.0 Type A for USB HID compliant devices / Storage memory devices**
- **USB 2.0 Type B port for Programming**

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**
- **Email 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**

Support Features

- **Free Top Rated Technical Phone Support**
- **2 year Warranty**
- **30-Day Money Back Policy**

Please refer to the catalog tehnical section for details.

Supported drivers

AutomationDirect PLCs
Do-more PLC's
K-Sequence (*Direct*LOGIC PLCs)
DirectNET (*Direct*LOGIC PLCs)
Modbus (Productivity3000 PACs, *Direct*LOGIC PLCs. CLICK PLCs)
ECOM Ethernet (*Direct*LOGIC PLCs)
Think & Do (Modbus RTU and Modbus TCP/IP)
GS Drives
SOLO Temperature Controllers

Modbus RTU
Modbus TCP/IP

Allen-Bradley
A-B DF1
A-B DH485
A-B EtherNet/IP Client
A-B Ethernet/IP Server Generic IO Messaging

GE SNPX

Omron
Omron Host Link Adapter
Omron FINS (Serial and Ethernet)

Mitsubishi
FX Series CPU
FX-1N(C), 2N(C), 3U(C) CPU
Q Series (QO2,Q02H, Q06H, Q12H, Q25H CPU)
Q/QnA (Serial and Ethernet)

Siemens
S7-200 (Serial: PPI)
S7-200 (Ethernet: ISO over TCP/IP)
S7-300 (Ethernet: ISO over TCP/IP)
S7-400 (Ethernet: ISO over TCP/IP)
S7-1200 (Ethernet: ISO over TCP/IP)

Please refer to the Compatibility Table in the following technical section for detailed information about which protocols are available for use with specific controllers.

Drivers for:

ControlLogix®
CompactLogix®
FlexLogix
SLC® 5/05 Ethernet™
MicroLogix™ 1100/1400 Ethernet

including:

A-B DF1

A-B DH485

A-B EtherNet/IP Client

A-B Ethernet/IP Server Generic IO Messaging

Tag-based Messaging

C-more software supports direct insertion of ControlLogix, CompactLogix and FlexLogix tags from the PLC into *C-more* - no mapping or translations required.

Fast and Simple Driver Setup

We have many protocols for the Allen-Bradley PLC brand. The A-B Ethernet drivers allow the simple connectivity of multiple panels and/or multiple Allen-Bradley PLCs. We also have ControlLogix Ethernet/IP Tag Messaging support. This feature helps increase productivity by reducing the time often required to map your PLC tag database into another device. You can import the RSLogix 5000 L5K file directly, or with just a few clicks of the mouse you can directly enter your ControlLogix/ CompactLogix tags from the PLC into *C-more*. No mapping or translation required!

C-more Allen-Bradley Controller Support	DF1 Full Duplex	DF1 Half Duplex	DH485	Generic EtherNet/ IP Server (IO Messaging)	EtherNet/IP Client	EtherNet/ IP Tag-Based Client	Tag-Based DF1 Full Duplex	Tag-Based DF1 Half Duplex
SLC 5/01, 5/02			Yes					
SLC 5/03	Yes	Yes	Yes		Yes[xxx]			
SLC 5/04	Yes	Yes	**Yes		Yes[xxx]			
SLC 5/05 (Series A OS501 FRN5 & Higher)	Yes	Yes	**Yes		Yes			
MicroLogix 1000, 1200, 1500	Yes	Yes	**Yes		Yes[xxx]			
MicroLogix 1100/1400	Yes	Yes	**Yes		Yes			
PLC5	Yes							
ControlLogix				Yes		Yes	Yes	Yes
CompactLogix				Yes		Yes	Yes	Yes
FlexLogix				Yes		Yes	Yes	Yes

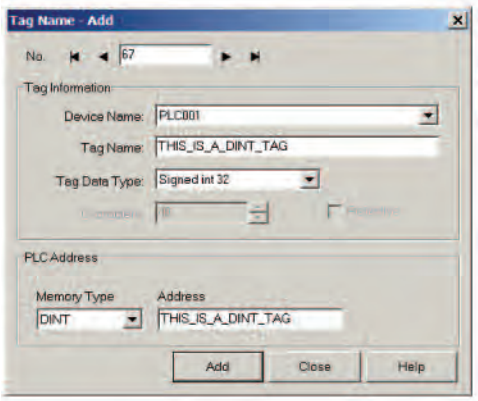
**** Ethernet available on full featured C-more panels only. -R units do not support Ethernet***

*****AIC module from Allen-Bradley required for this connection***

[xxx]NET - ENI module from Allen-Bradley required for this connection

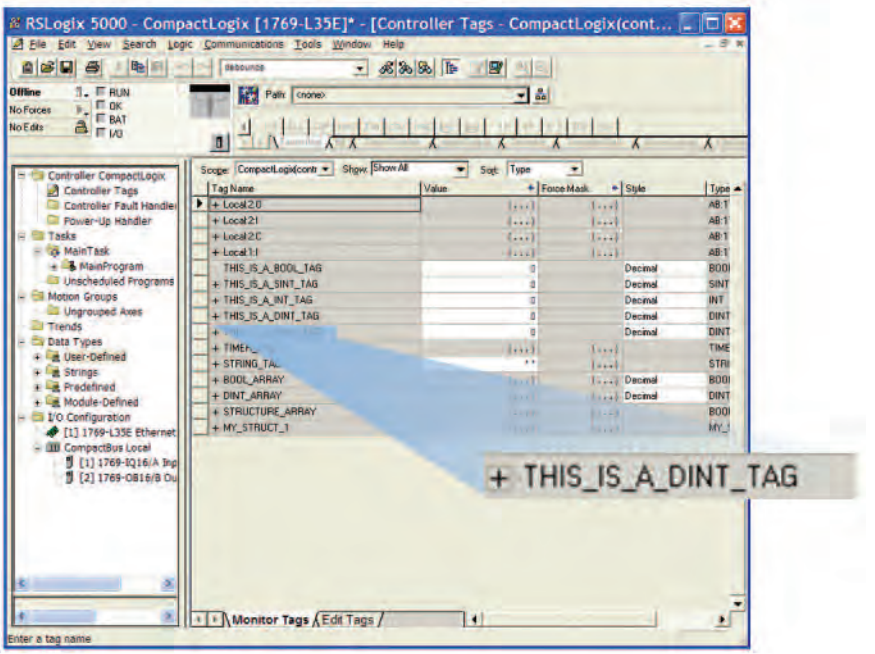
ControlLogix EtherNet/IP Tag-based Messaging

Configure ControlLogix, CompactLogix and FlexLogic tags from the PLC into *C-more* (no mapping or translations required).



You can configure ControlLogix, CompactLogix and Flexlogic tags in the *C-more* Programming software through two different methods:

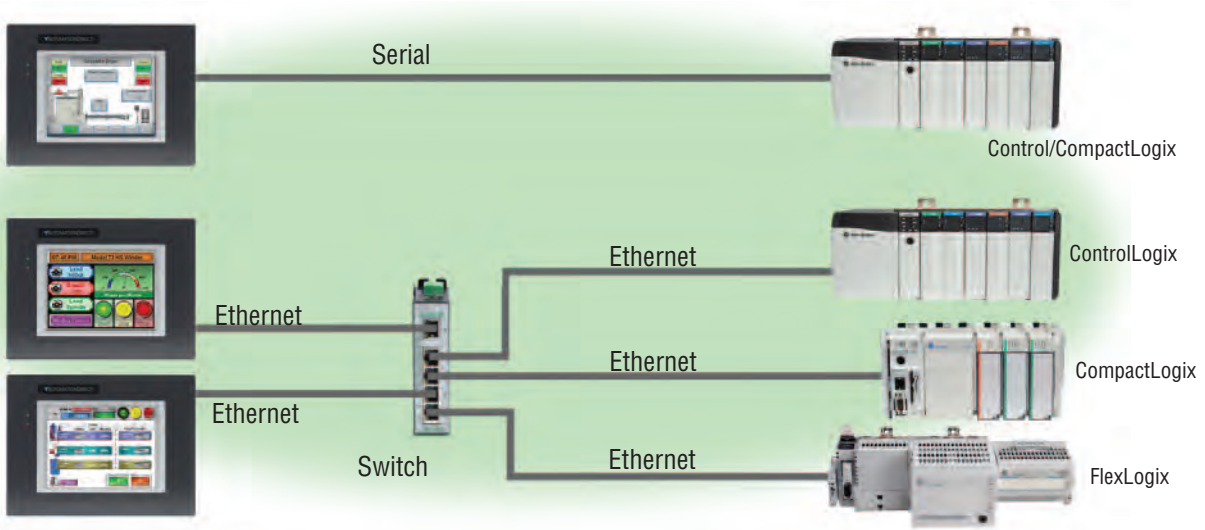
1. Import the tags from RSLogix 5000 (.L5K file).



2. Type in the PLC tag names directly. You can use the PLC tag names as your *C-more* tag names or choose a different *C-more* tag name when appropriate.

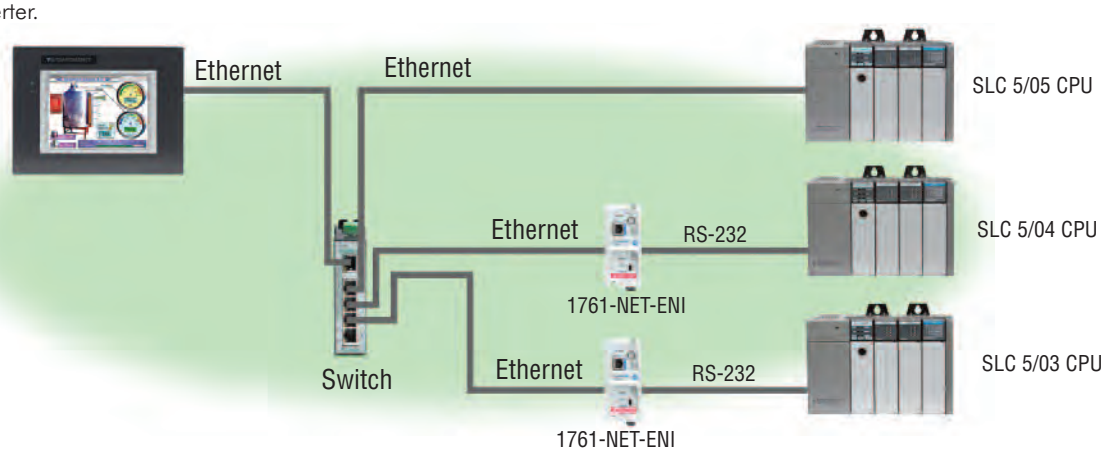
ControlLogix, CompactLogix and FlexLogix

Connect to ControlLogix, CompactLogix and FlexLogix PLCs using either the native serial port or Ethernet port/module. Use direct tag-based messaging or directly enter the ControlLogix/CompactLogix PLC tags during *C-more* configuration (no mapping or translations required). You can connect multiple *C-more* panels to multiple PLC types on one network.



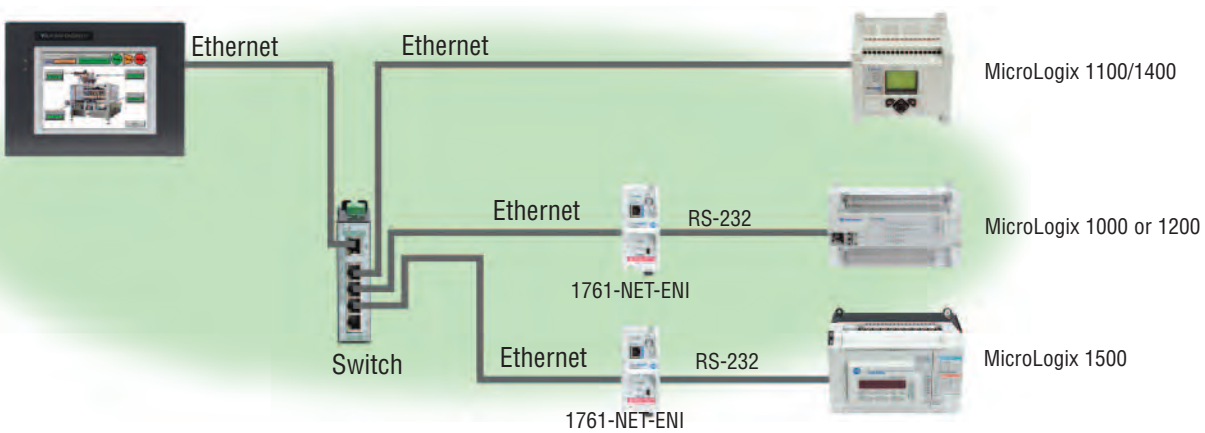
SLC 500 Ethernet and ENI Driver

Connect to the native Ethernet port on SLC 5/05, and to SLC 5/03 and SLC 5/04 through a 1761-NET-ENI DFI serial-to-Ethernet converter.



MicroLogix 1100/1400 Ethernet and ENI Driver

Connect to the native Ethernet port on MicroLogix 1100/1400, and to MicroLogix 1000, 1200 and 1500 through a 1761-NET-ENI DFI serial-to-Ethernet converter.

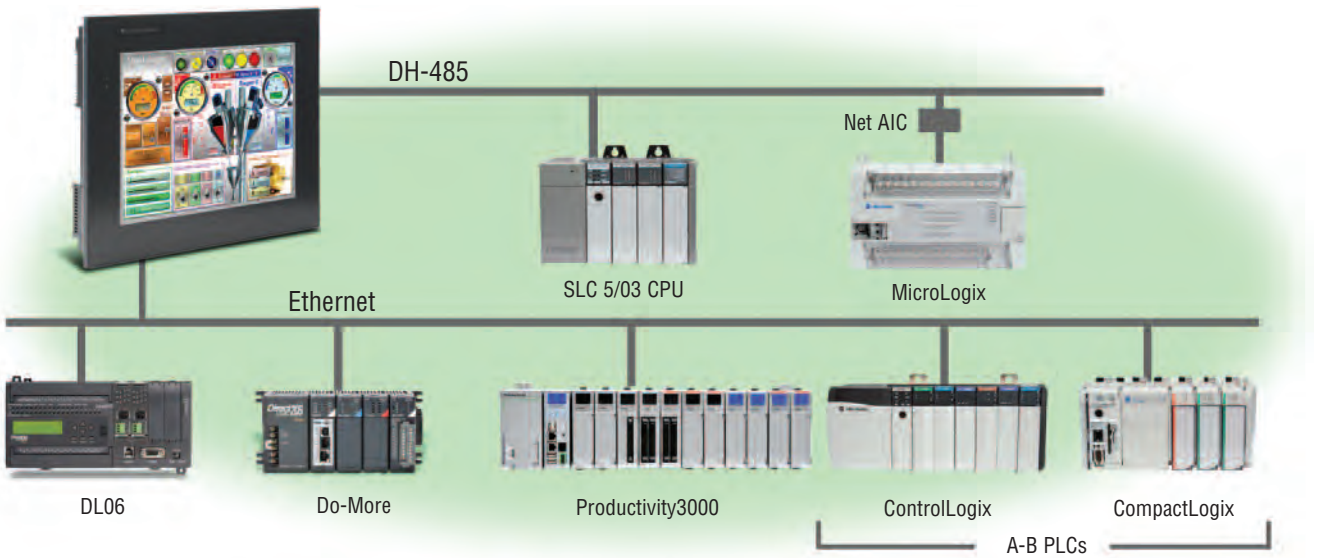


Simultaneous Communications and Panel Pass-through

Connect multiple brands of PLC/PACs

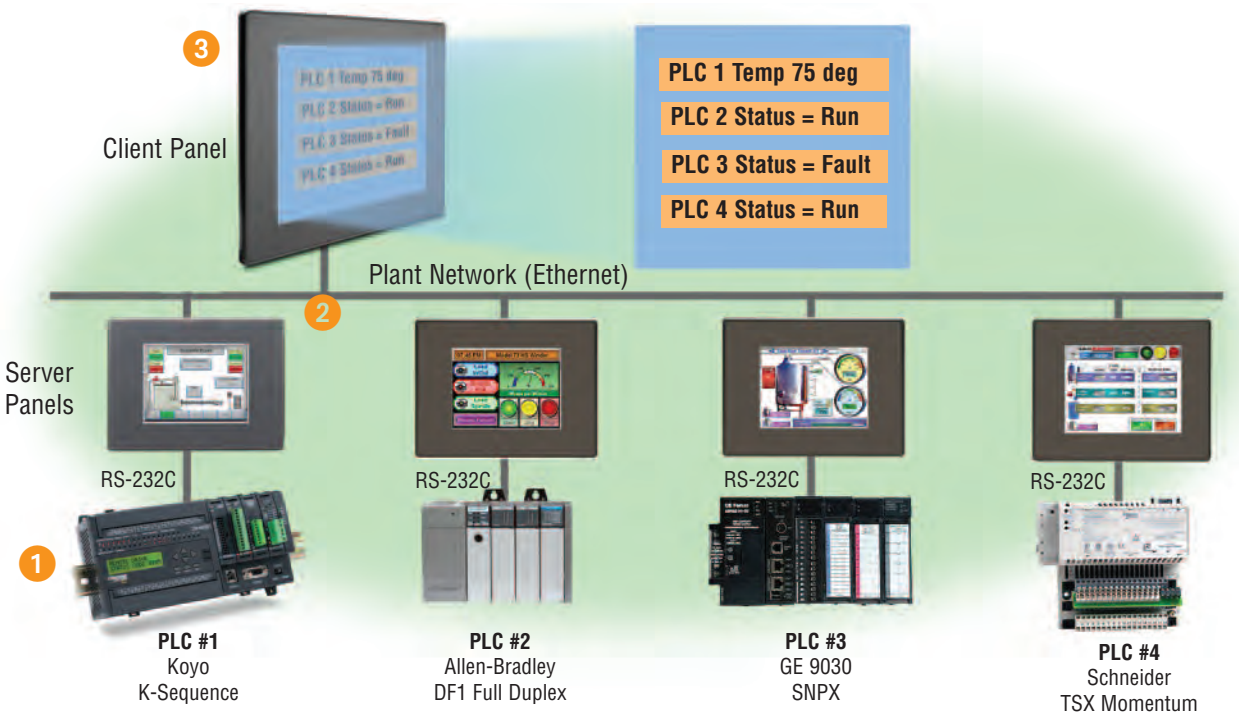
Connect multiple brands of PLC/PACs to *C-more* and communicate with them simultaneously. Use the Event Manager to periodically send tag values from one controller to another or when certain conditions are met.

C-more can even act as a "protocol bridge", passing values back and forth between PLC/PACs that use different protocols.



Panel pass-through

C-more panels can access data from supported controllers attached to other *C-more* panels via an Ethernet connection.



1 Each PLC is operating a seperate application and is connected to a ***C-more*** panel through a Serial Connection.

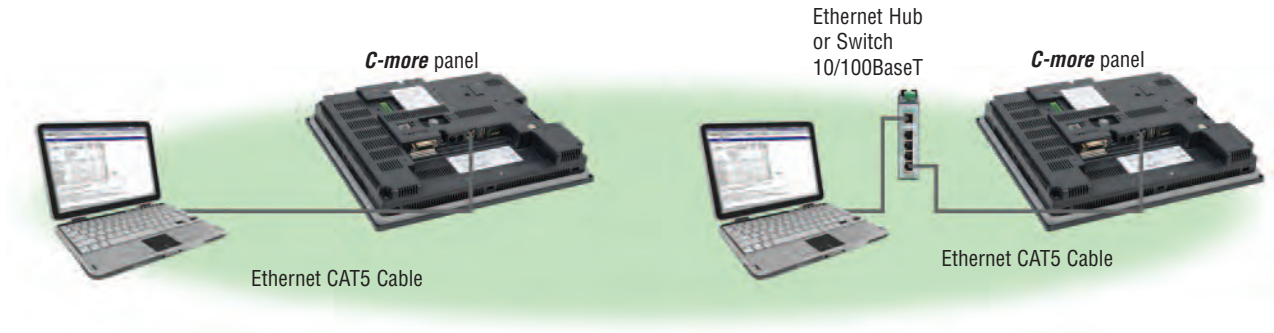
2 Each ***C-more*** is configured as usual. When the client panel is configured, the server panels will pass through data from the PLCs to the client.

3 The ***C-more*** client panel is configured to display the data collected from each PLC connected through a ***C-more*** server panel.

Program Via Ethernet or USB

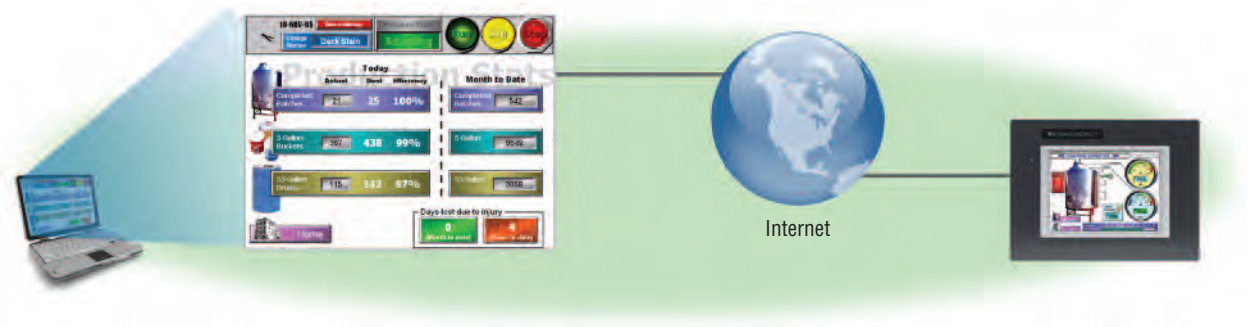
Network programming

Full-featured *C-more* panels can be programmed via the built-in Ethernet port (The EA9-T6CL-R model does not support Ethernet). Connect directly from a PC to the *C-more* panel, or connect one or more *C-more* panels to your plant network (via switches and routers). With *C-more* on the plant network, you can download projects from any connected PC. Use the network connection to upload alarm history, PLC/PAC log data or screen captures to a connected PC. *C-more* can send e-mail, based on events or PLC/PAC alarm conditions (if connected to a network and an SMTP (Simple Mail Transport Protocol) server).



C-more programming software with Internet connection

You can program your *C-more* panel remotely via the Internet. All you need is a Public IP adress assigned to the *C-more* panel and a network that is accessible from the Internet.



USB programming

For convenient programming, use a standard USB cable between your *C-more* panel and your PC. No baud-rate, parity, or stop bit settings to waste your time. USB is fast; most projects download in seconds. Don't pay inflated prices for proprietary programming cables! USB cables are inexpensive (we sell 'em!) and are readily available so you won't waste time looking for a special cable when your million-dollar operation is down.