

# The C-more Family

Features	Base Model	Full Featured Model
<b>More durable</b>		
- 50,000 hour bulb life	y	y
- Replaceable bulbs on 8", 10", 12", and 15" models	-	y
<b>Better screens</b>		
- Bright screens (NIT ratings)	y	y
- TFT with 65,536 colors available on all sizes	y	y
- 15 shade monochrome STN screens on 6" models	y	y
<b>More flexibility</b>		
- Analog touch screen (no touch cell grid!)	y	y
- Overlapping objects	y	y
<b>Better communications</b>		
- USB Port-A	y	y
- USB Port-B	y	y
- Built-in Ethernet port	-	y
- Built-in serial communications	y	y
<b>More capacity</b>		
- Built-in 10Mbyte project memory	y	y
- CompactFlash card slot #1 (data logging)	-	y
- Supports USB memory devices (data logging)	y	y
- Symbol Factory™ library with 4,000 symbols.	y	y
<b>More objects</b>		
- Over 50 objects including 16 pen trends, switches, PID trend faceplate, PID bar graph faceplate	y	y
- Create custom objects and store in user library	y	y
- Improved multilanguage support for objects in German, French, Italian, Spanish, Chinese and Japanese characters	y	y
<b>More high end features</b>		
- Project simulator	y	y
- Bitmap animation	y	y
- E-mail messaging	-	y
- Built-in FTP server	-	y
- Pop-up window within a touch screen	y	y
- Data logging to USB/CompactFlash	USB only	y
- Historical alarms with time and date stamp along with alarm frequency reporting.	y	y
- Supports simultaneous communication to multiple brands of PLC/PACs.	-	y
- Event Manager	y	y
- Audio line out	-	y
<b>Improved ease of use</b>		
- Improved multi-language support.	y	y
- Improved dialog boxes	y	y
- "Power User" property box	y	y
- More fonts and sizes	y	y
- Master background screens	y	y
- Improved recipes	y	y
<b>Optional accessories</b>		
- Optional "Screw on" 110VAC power supply	y	y
- Expansion unit for additional CompactFlash	-	y

## Supported drivers

### AutomationDirect PLCs

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 (Q02, 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/IOP)

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



Company Information

Systems Overview

Programmable Controllers

Field I/O

Software

C-more & other HMI

Drives

Soft Starters

Motors & Gearbox

Steppers/Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pressure Sensors

Temperature Sensors

Pushbuttons/Lights

Process

Relays/Timers

Comm.

Terminal Blocks & Wiring

Power

Circuit Protection

Enclosures

Tools

Pneumatics

Safety

Appendix

Product Index

Part # Index

# 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
<b>SLC 5/01, 5/02</b>			Yes					
<b>SLC 5/03</b>	Yes	Yes	Yes		Yes <sup>xxx</sup>			
<b>SLC 5/04</b>	Yes	Yes	**Yes		Yes <sup>xxx</sup>			
<b>SLC 5/05 (Series A OS501 FRN5 &amp; Higher)</b>	Yes	Yes	**Yes		Yes			
<b>MicroLogix 1000, 1200, 1500</b>	Yes	Yes	**Yes		Yes <sup>xxx</sup>			
<b>MicroLogix 1100/1400</b>	Yes	Yes	**Yes		Yes			
<b>PLC5</b>	Yes							
<b>ControlLogix</b>				Yes		Yes	Yes	Yes
<b>CompactLogix</b>				Yes		Yes	Yes	Yes
<b>FlexLogix</b>				Yes		Yes	Yes	Yes

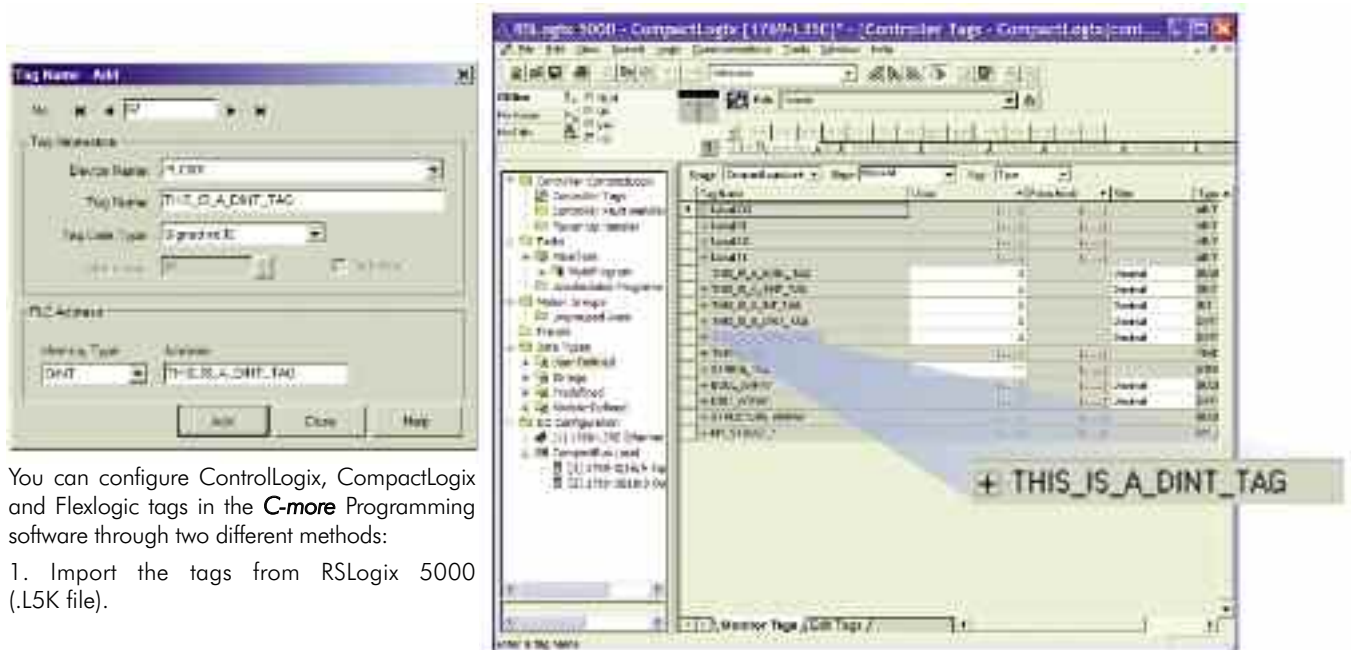
\* Ethernet available on full featured C-more panels only. -R units do not support Ethernet

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

<sup>xxx</sup>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).

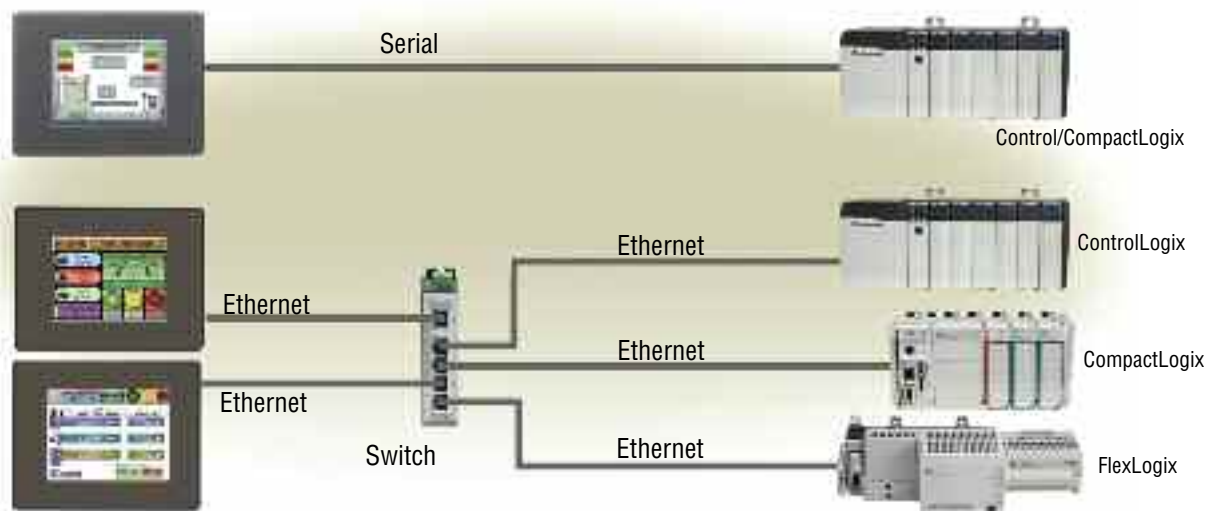
2. Type in the PLC tag names directly. You can use the PLC tag names as your **C-more** tag names or choose a different **C-more** tag name when appropriate.



## ControlLogix, CompactLogix and FlexLogix

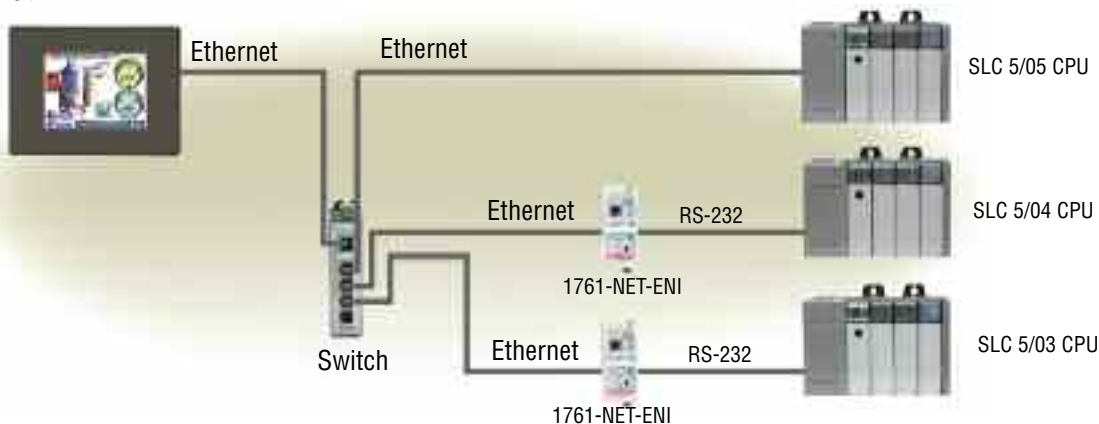
Connect to ControlLogix, CompactLogix and FlexLogix PLCs using either the native serial port or Ethernet port/module. Use direct tag-based messaging or directly enter the

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.



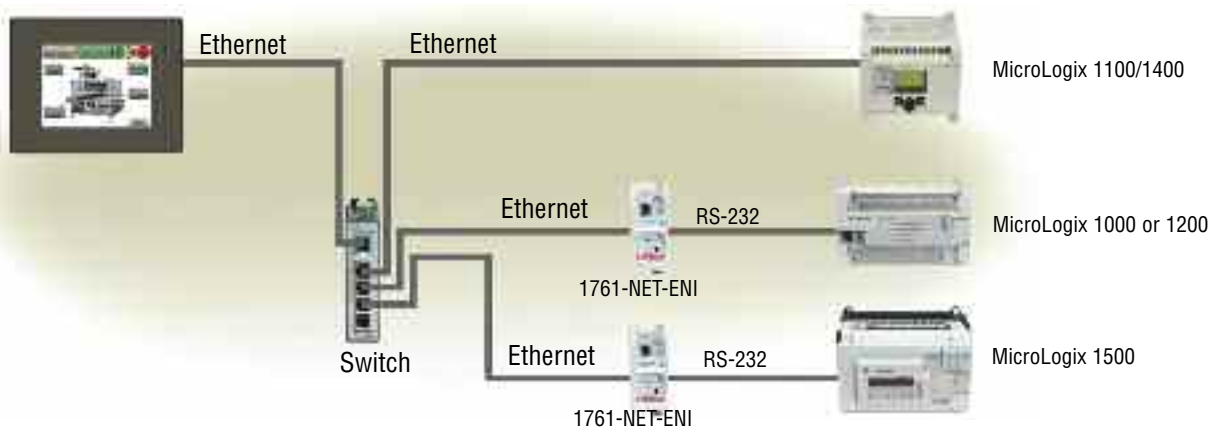
## SLC 500 Ethernet and ENI Driver

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.

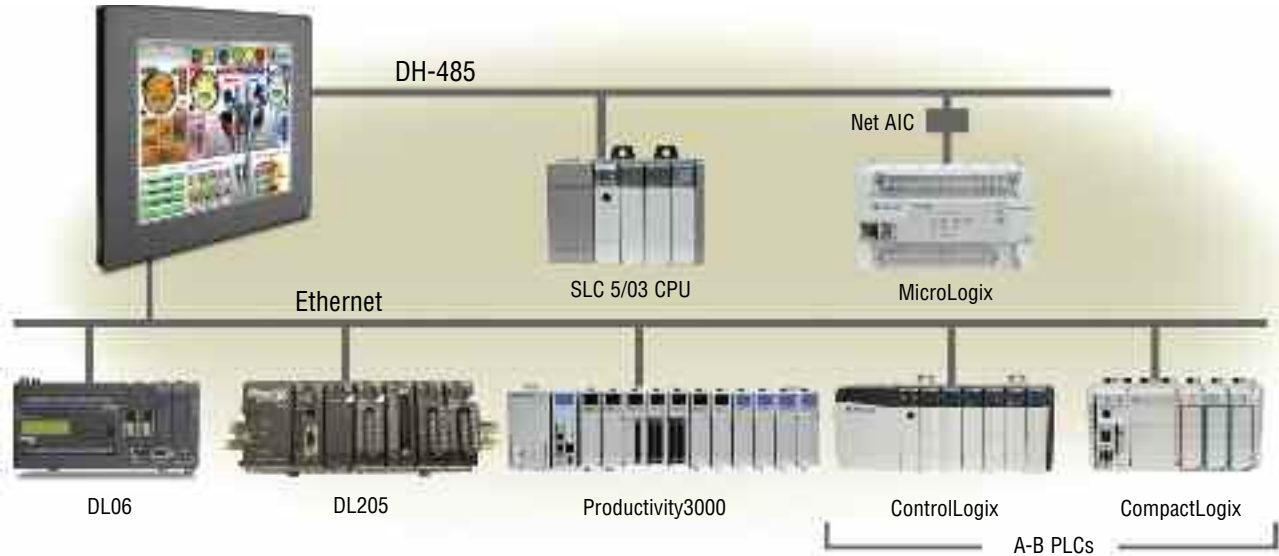


# Simultaneous Communications and Panel Pass-through

## Connect multiple brands of PLC/PACs

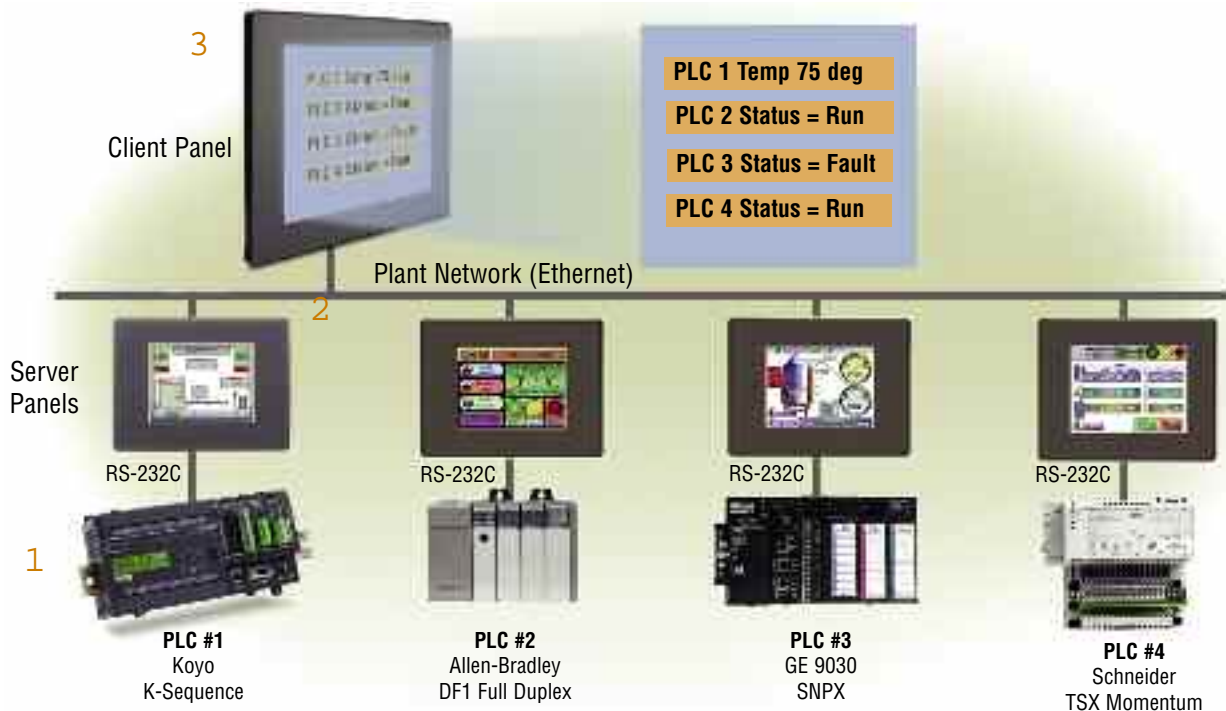
Connect multiple brands of PLC/PACs to **C-more** and communicate with them simultaneously. Use the Event Manager to periodically send tag values from one controller to another or when certain conditions are met.

**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 separate 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 (base models do not support Ethernet). Use a crossover cable to 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 a "straight-through" CAT5 cable. 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 address 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.

