

# Crestron CP2

## Economical Dual Bus Control System

CRESTRON  
HOME



The CP2 combines Crestron's powerful 2-Series engine in a compact cost-effective package that provides an ideal control solution for home theaters, audio distribution systems, and complete home automation.

At the heart of the CP2 is the hot new 257 MIPS, 32-bit Motorola Coldfire® Processor. Coupled with the 36 MB of onboard memory, the CP2 has the power to run the most sophisticated control applications. From seamlessly linking AV devices such as surround sound processors and plasma displays, to high bandwidth data communications required to integrate security systems, lighting systems, and HVAC – the CP2 has it all.

Keeping with the Crestron standard, the CP2 utilizes a real-time, preemptive multi-tasking/ multi-threaded operating system with a FAT32 file system that supports long file names for easy file management. Running true compiled source code, this robust operating system used throughout the 2-Series control line is designed to handle the most demanding control functions and provide instantaneous response.

The CP2 also benefits from Crestron's visual design development environment, SIMPL™ Windows®, to quickly create control programs to meet your specific needs. Through SIMPL Windows, the CP2 can be programmed in an object-oriented graphical format or through a procedural C-like programming language. SIMPL Windows even allows Crestron control code, macros, and modules from previously installed systems to be compiled and run on the CP2 for full backwards compatibility.

With its blinding speed, massive memory, and integrated control, the CP2 is built from the ground up for high performance and dynamic expansion capabilities. Designed for 100% backwards and forwards compatibility with Crestron Cresnet network devices, touchpanels, and wireless remotes, and reinforced by Crestron's True Blue Customer Support, the CP2 is part of the complete Crestron Home™ line of fully integrated control and automation solutions.

- > *Powerful 257 MIPS, 32-bit Motorola Coldfire Processor*
- > *8 IR/Serial Ports*
- > *8 I/O Versi Ports*
- > *8 Isolated Relays*
- > *3 Bi-Directional RS-232/422/485 Ports*
- > *Compatible with all existing and new Crestron Cresnet network devices, touchpanels, wireless remotes*
- > *Ideal for home theaters, audio distribution control, complete home automation*

# Crestron CP2™ Economical Dual Bus Control System

## Processor

**CPU:** 32-bit Motorola 5407 ColdFire® Processor  
**Processing Speed:** 257 MIPS (Dhrystone 2.1 benchmark)

## Memory

36MB

## Connectors

- **COM:** (3) DB9 for RS-232/422/485
- **RELAYS:** (8) normally open, isolated relays; each relay is rated 1A, 30VAC/DC; MOV arc suppression across contacts for use with "real world" loads
- **INPUT/OUTPUT:** (8) programmable digital/analog input and digital outputs; digital outputs offer 250mA sync from maximum 24VDC; catchdiodes for use with real world loads; digital inputs rated for 0-24VDC, 20K ohms input impedance, logic threshold 1.25VDC; analog inputs rated 0-10VDC, protected to 24VDC maximum, 20K ohms input impedance; programmable 2K ohms pullup resistor (per pin, software reference to GND or closure to GND)
- **IR ports:** 8 programmable simultaneous outputs/one-way RS232
- **Computer Port:** RS232 port available for console use.
- **Cresnet Ports:** 1 connector

## Reset Buttons

**HW-R:** Performs physical reset of system  
**SW-R:** Restarts SIMPL program

## LED Indicators

**PWR:** Green LED, indicates power supplied to the unit  
**NET:** Yellow LED, indicates activity within the system  
**ERR:** Red LED, indicates an error message is available from the software feature buttons

## Power Requirements

24VDC, 2.0A input jack or from Cresnet connector

## MODEL OPTIONS

All the features of the CP2E with the following exceptions:

**CP2:** No Internet communications: no Ethernet port, or LNK and ACT LED indicators

## Dimensions

1.7" (4.32cm) H x 17.03" (43.24cm) W x 6.64" (16.87cm) D

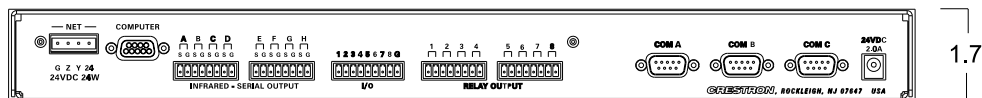
## Weight

3.54 lbs (1.59cm)

CP2 Front View



CP2 Rear View



CP2 Top View

