

Crestron CP2E

Economical Dual Bus Control System



The CP2E combines Crestron's powerful 2-Series engine with built-in 10/100 BaseT Ethernet communications in a compact cost-effective package that enables advanced control technology to be integrated into systems where it was previously not economically feasible.

At the heart of the CP2E is the hot new 257 MIPS, 32-bit Motorola Coldfire® Processor. Coupled with the 36 MB of onboard memory, the CP2E has the power to run the most sophisticated control applications from video-conferencing systems with robust data communications, to conference and presentation systems.

The CP2E 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 CP2E 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 CP2E for full backwards compatibility.

The 10/100 BaseT autosensing communications come standard with the CP2E, allowing you to take advantage of powerful remote diagnostics, program loading, upgrades, and Crestron's powerful e-Control solutions. With a built-in web server, the CP2E allows web pages to be loaded and served without the need for additional computers – making the CP2E a complete solution to maintain, monitor, and control rooms via Microsoft Internet Explorer from any PC on the network. The CP2E even supports true password authentication for secure logon and control.

With its blinding speed, massive memory, revolutionary Dual Bus architecture and integrated 10/100 BaseT Ethernet communications, the CP2E is built from the ground up for high performance and dynamic expansion capabilities. Designed for 100% backwards compatibility with Crestron Cresnet network devices, touchpanels, and wireless remotes, and reinforced by Crestron's True Blue Customer Support, the CP2E is part of the complete Crestron line of advanced solutions for audio/video/environmental control.

- > *Powerful 257 MIPS, 32-bit Motorola Coldfire Processor*
- > *Real-time, preemptive multi-tasking, multi-threaded operating system*
- > *8 IR/Serial Ports, 8 I/O Versi Ports*
- > *8 Isolated Relays*
- > *3 Bi-Directional RS-232/422/485 Ports*
- > *10/100 BaseT Autosensing Ethernet Port*
- > *Built-in web server for remote help desk/web browser control*
- > *Compatible with all existing and new Crestron Cresnet network devices, touchpanels, wireless remotes*
- > *Ideal for boardrooms, classrooms, videoconferencing systems, distance learning, and more*

Crestron CP2E™ Economical Dual Bus Control System

Processor

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

Memory

- **On-board 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; catch diodes for use with “real world” loads; digital inputs rated for 0-24 VDC, 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

Ethernet: RJ45 for 10/100 BaseT

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

LNK: Red LED, indicates attachment to LAN

ACT: Red LED, indicates communication over LAN

Power Requirements

24VDC, 2.0A input jack or from Cresnet connector

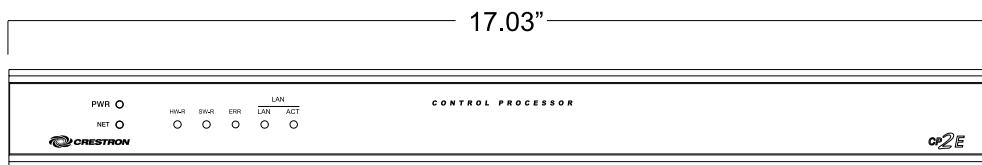
Dimensions

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

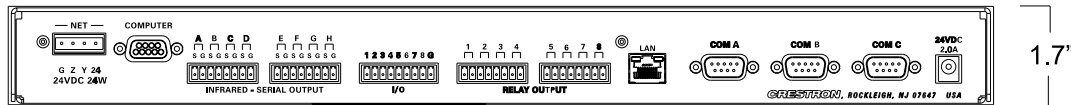
Weight

3.54 lbs (1.59kg)

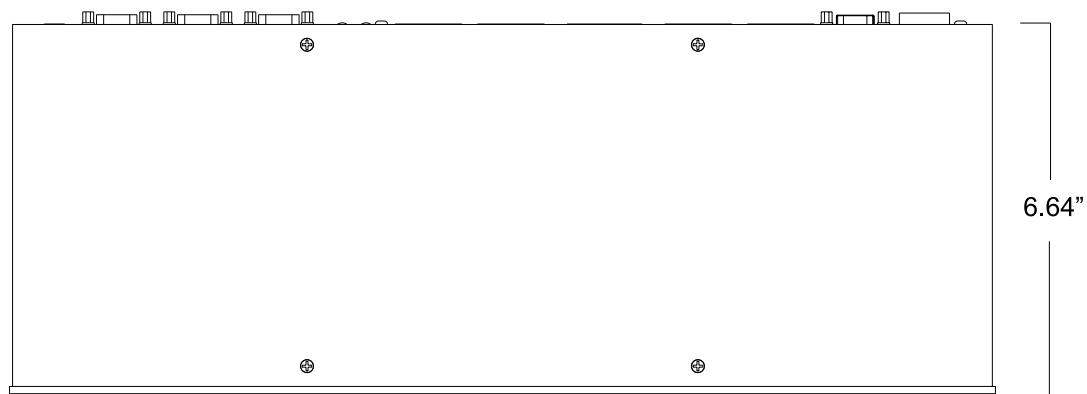
CP2E Front View



CP2E Rear View



CP2E Top View



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