

**Summary of Crestron CP2 architectural specifications are as follows.  
Minimum control system requirements:**

- Control System shall utilize a Motorola Coldfire processor at no less than 257 MIPS.
- Control System shall include [3] RS-232/422/485 Ports.
- Control System shall include [8] IR/Serial Ports.
- Control System shall include [8] Isolated Relay Ports
- Control System shall include [8] I/O Ports.
- Control System shall include [1] Cresnet Port.
- Control System Processor shall utilize a real time, event driven, multi-tasking, multi-threaded operating system.
- High speed processor shall communicate directly with control ports and proprietary control network utilizing high-speed, parallel bus infrastructure. Control processors that communicate via a serial bus shall not be accepted.
- Control processor shall contain 36 MB of memory.
- Control System processor shall utilize a FAT32 file structure.
- Patent pending Network Analyzer to continuously monitor the integrity of the Cresnet network for wiring faults, marginal communication performance, network errors – all information is viewable.
- Support RS-485 token passing network with data communication for a minimum distance of 5000 feet.
- Allow proprietary network expansion via RS-232 ports, which can allow for high-speed network acceleration.
- Support a minimum of 253 proprietary network devices simultaneously.
- Control system shall support object-oriented logic based programming language and a C-like language programming language. Both programming types are supported to run simultaneously and integral to each other.
- Control system manufacture shall supply Windows-based graphical programming software for drag and drop object oriented programming for the control system operation.
- Control system manufacture shall provide Windows-based graphical programming software, which is self-documenting in that it generates a symbolic flow diagram printout from the system program.
- The control system shall support a variety of wireless communication modes, including one-way and two-way radio frequency and infrared transmission.