

**CRAIG OCEAN SYSTEMS, INC.**  
*Catalog & pricing for the MCU500 and components*

**ITEM**

**PART NUMBER**



**MCU500 CONTROL SYSTEM**

200-12200-05

Basic controller, with built-in signal conditioning interface modules, supporting 16 single or differential analog input channels, 32 digital input channels, and 16 digital outputs.

Signal I/O is via two 50 pin telco style D connectors. These interface directly w/ MCU connector blocks or telco style RB blocks.

Expansion port increases IO to 64 Analog input and output channels, 64 Digital input and output points, and 64 switch/relay outputs.

Other features: Wide input 90-240 VAC, 50/60Hz power supply, w/ battery backup. No programming required. Windows based database setup, remote access and data monitoring and control software packages included.

**Expander Chassis**

Fiberglass expander box, NEMA 12, with clear plastic front panel, 12 VDC 4 Amp power supply (for sensors), fan, DIN rail mounting plate.

Chassis size 12x10

200-12300-01

Chassis size 16x12

200-12300-02

**Expander Chassis Options:**

Modems, Ethernet, serial to Ethernet converter.

200-30124

MCU connector block - series II (2 required per MCU)

200-12505

16 channel terminal block (8 analog - 16digital in/8digital outputs)

DC distribution block (24 outputs), w/ auto-reset circuit. protection. Series 1

087-12296

I/O 50 pin TELCO connector cable (2 required for series I, II or TELCO connector blocks).

087-12281

Telco style, RB66 punch-down blocks, 50 terminal. Can be used directly with MCU in place of the Series I/II connector blocks. (Special order only).

609-MF1425-P1

Other Power supply options are also available. Please let us know your requirements.

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Expander Box Options- cont.

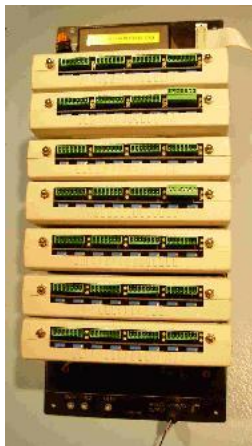


A variety of expander modules are available to increase the MCU's Input and Output capabilities. These are DIN rail mounted enclosures, 8"w x 3't x 5'deep.

Modules connect to the MCU500 controller via a 25 pin ribbon cable, daisy chained. Up to 5 modules can be accommodated.

The following modules are available:

Digital I/O expander module (16 inputs)	200-12600
Digital I/O expander module (16 outputs)	200-12605
Digital I/O expander module (8 inputs, 8 outputs)	200-12610
Relay module (8 form C, 8 form A)	200-12615
Relay driver module (16 each, 500 mA Sink/Source outputs)	200-12620
Analog input module (16 each, 10mv to 28 VDC inputs, with signal conditioning, single or differential inputs, 12 bit A/D)	200-12710
Analog output module (16 outputs, 8 bit resolution, 0-5 VDC)	200-012720
Analog I/O combination module (12 inputs, 4 outputs) Special Order Only	200-12715



Complementing the DIN modules above is the new Analog interface assembly, called the Splitter. This is a full 64 channel system, and may be expanded if necessary. Each module handles 8 channels of data.

Connection is through modular, removable connector blocks, each handling 2 channels. Each block also provides power to the external sensor as needed.. Internally, each block has full signal conditioning for each channel.

Analog splitter module: 64 channel, 10mv to 28 VDC inputs, with signal conditioning, single or differential inputs. 200-12711