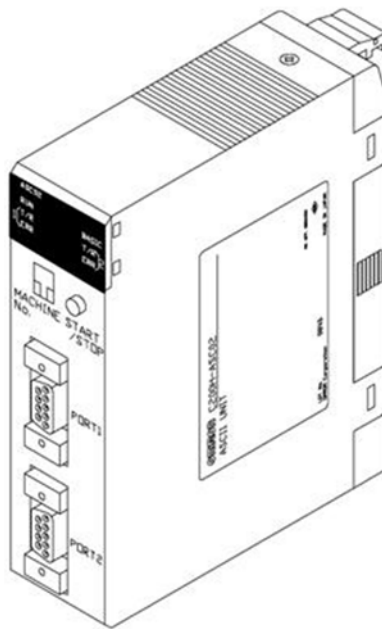


C200H-ASC02

OMRON

SYSMAC - System C200H Special I/O Modules – ASCII/BASIC Module



Presented by - MRO Electric and Supply Company, Inc.

For Product Needs:

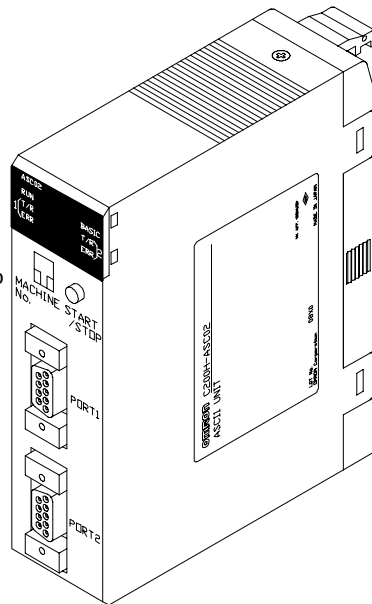
Email: sales@MROELECTRIC.COM

*Call: **1-800-691-8511***

*Fax: **919-415-1614***

<http://www.MROELECTRIC.com/>

- Two RS-232C ports**
Bidirectional serial interface to
- Computers
 - Printers
 - Bar code readers
 - PLCs
 - Other ASCII devices



C200H-ASC02

General Information

The ASCII/BASIC Module provides a 24-Kbyte programmable coprocessor module that operates independently of the PLC. Two built-in RS-232C ports provide easy interface to a variety of external devices including other manufacturers' PLCs, computer terminals, operator stations, bar code readers, and any other device utilizing a serial interface. The module is programmable in either BASIC or Assembly providing a platform for complex calculations and algorithms at the PLC level. This includes PID, gas flow calculations and complex math and string manipulation functions. Communications can be initiated by either the module or the PLC.

Features

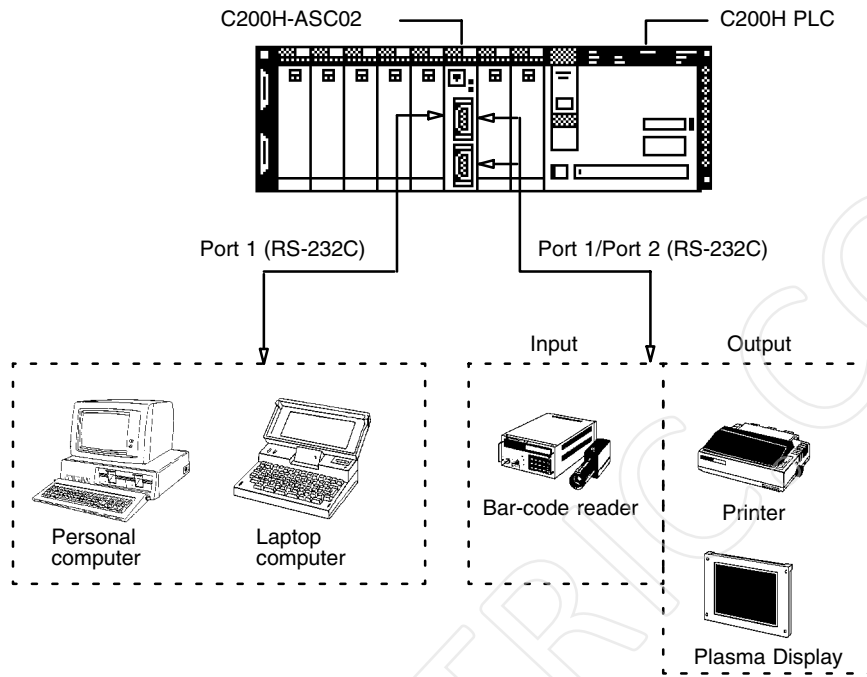
- ◆ 24-Kb, battery-backed RAM and 24-Kb EEPROM programmable in BASIC or Assembly languages
- ◆ Special commands to initiate communication with the PLC
- ◆ Two RS-232C ports, 19,200 baud maximum speed
- ◆ Built-in clock/calendar including year, month, day, date, hour, minute, second (accurate to 30 seconds/year)

Specifications

Name	Description	Part number
ASCII/BASIC Module Utility Software	For AT-compatible computers; enables program development, downloading, uploading, etc.	SYSMATE-ASC91-V1
Programming Cable	C200H-ASC02 to computer (9-pin RS-232)	C200H-CN229-EU
	C200H-ASC02 to computer (25-pin RS-232)	C200H-CN220-EU

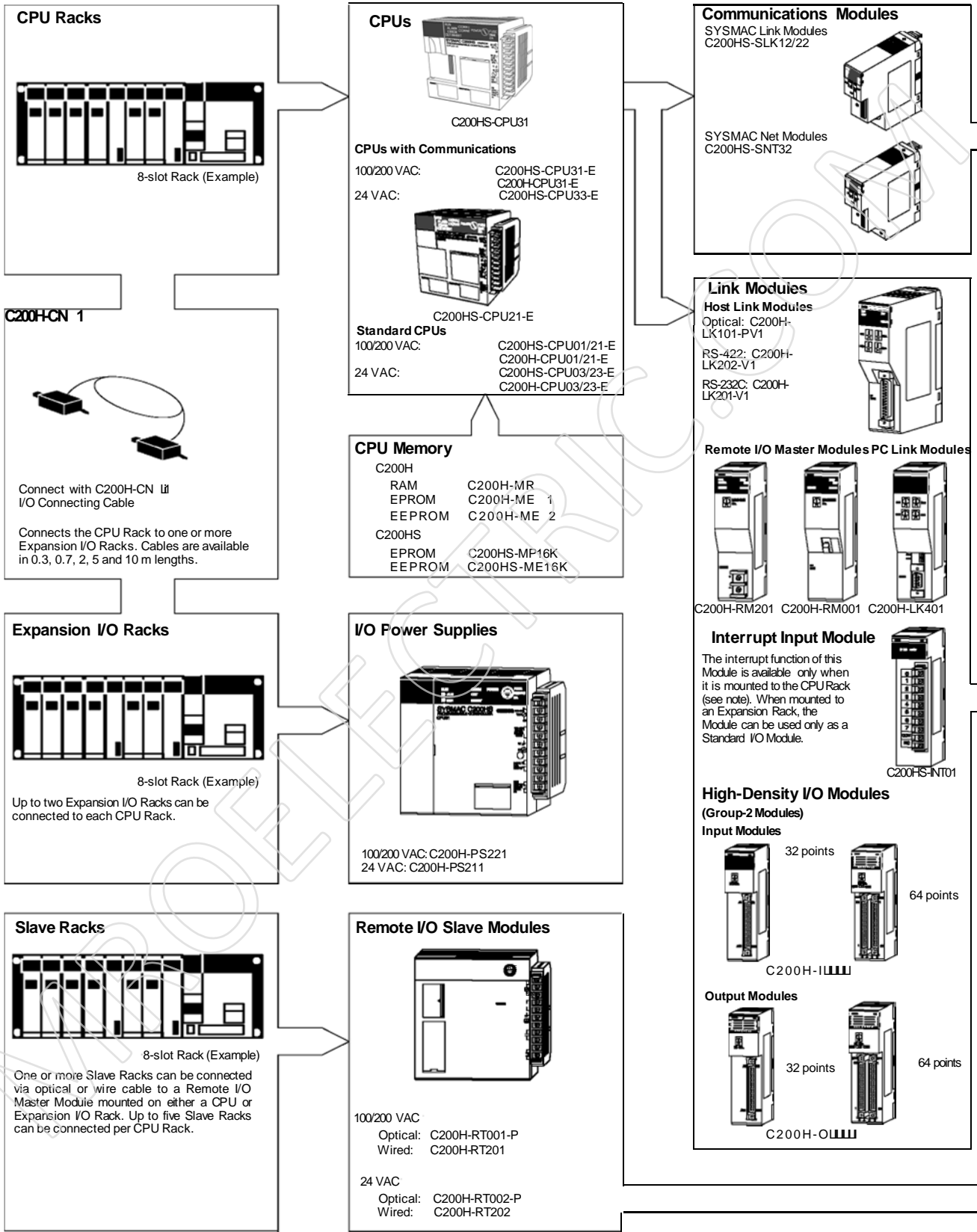
Specifications

Part number	C200H-ASC02
Communication mode	Half duplex
Synchronization	Start-stop
Baud rate	Port 1: 300/600/1200/2400/4800/9600 bps Port 2: 300/600/1200/2400/4800/9600/19,200 bps (switch selectable)
Transmission mode	Point-to-point
Transmission distance	15 m (49 ft) max.
Interface	Conforms to RS-232C. Two ports (D-sub 9-pin connectors)
Memory capacity	24 Kbytes RAM battery backup 24 Kbytes EEPROM for program storage Multiple program storage capability
Transfer capacity	255 words at a maximum of 20 words per scan
Transfer method	Write/read data exchange I/O data exchange
Clock/calendar	Year, month, day, date, hour, minute, second Programmable leap year Accuracy: month +30 seconds/month at 25°C (77°F)
Diagnostic functions	CPU watchdog timer, battery voltage drop
Battery life	5 years at 25°C (77°F). Battery life is shortened if ASCII Module is used at higher temperatures.
EEPROM	Guaranteed lifetime of 5000 saves
Manual	PLC Module: W165 The manual is included with the software.



MROELECTRICAL.COM

System Configuration

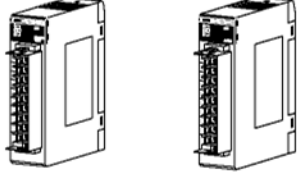


Note: Only one Interrupt Input Module can be used with a CPU.

System Configuration

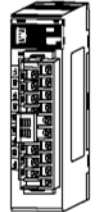
Special I/O Modules

Analog Input Modules Analog Output Modules



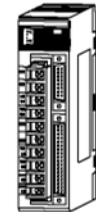
C200H-AD001/002 C200H-DA001

Temperature Sensor Modules



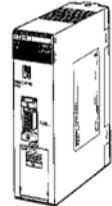
C200H-TS001

Temperature Control Modules



C200H-TC001

Fuzzy Logic Module



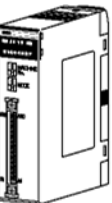
C200H-FZ001

PID Control Modules



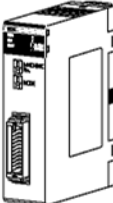
C200H-PID01

High Speed Counter Modules



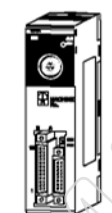
C200H-CT001

Position Control Modules



C200H-NCL01

Cam Position Modules



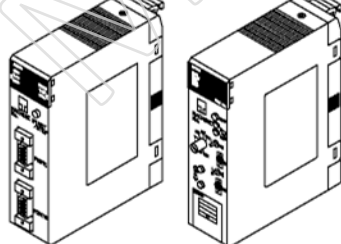
C200H-CP114

ID Sensor Module



C200H-IDS01

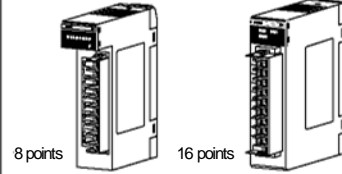
ASCII Module Voice Module



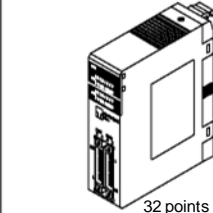
C200H-ASC02 C200H-OV001

I/O Modules

Input Modules (C200H-I0000)

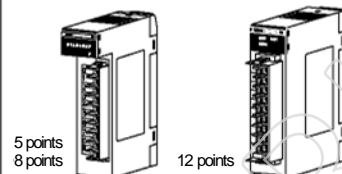


8 points 16 points
(AC, DC, AC/DC, transistor inputs)

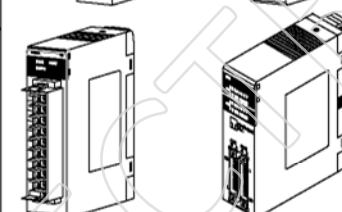


32 points
(Treated as Special I/O Module)

Output Modules (C200H-O0000)



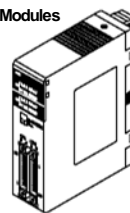
5 points 12 points



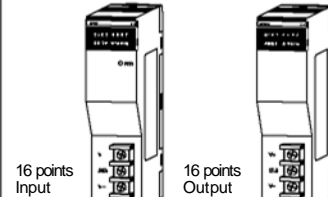
16 points 32 points
(Treated as Special I/O Module)

DC Input Transistor Output Modules

C200H-M0000
(16 inputs and 16 outputs; treated as Special I/O Module.)

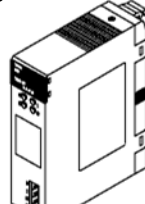


B7A Interface Modules



16 points Input 16 points Output
C200H-B7A11 C200H-B7A01

Analog Timer Module

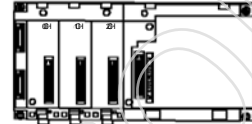


C200H-TM001

Backplanes

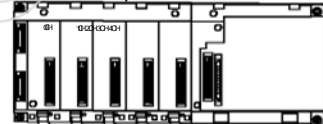
The same Backplanes are used for CPU, Expansion I/O, and Slave Packs.

3-slot Backplane



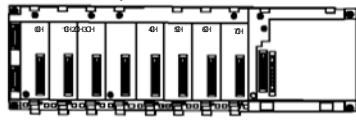
C200H-BC031-V2

5-slot Backplane



C200H-BC051-V2

8-slot Backplane



C200H-BC081-V2

10-slot Backplane



C200H-BC101-V2