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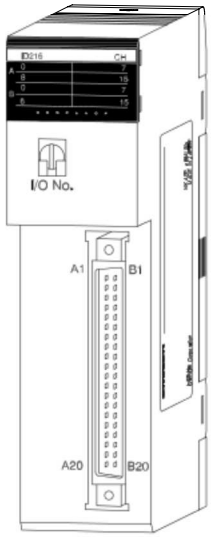
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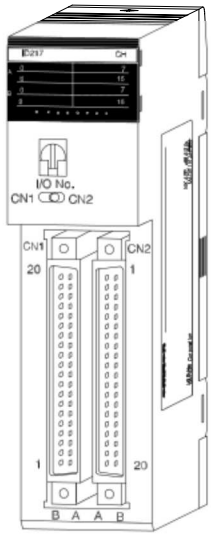
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Group 2 High-Density Input Modules

C200H-ID216/ID217



C200H-ID216



C200H-ID217

General Information

The High-density input modules for C200H-CPU21,-CPU23,-CPU31 and C200HS CPUs let you pack more I/O points into a single I/O slot for greater space savings. These modules do not use standard I/O points. Thus, they increase the overall I/O capacity. They provide 32 or 64 discrete input points. The modules can be used with Omron's Input Blocks, reducing wiring between control panels as well as within control panels.

Features

- Easy cable connection to input blocks
- Up to five 64-point modules or 32-point modules per PLC

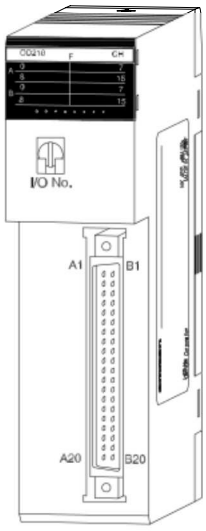
Specifications

Part number		C200H-ID216	C200H-ID217
Input voltage		24 VDC	24 VDC
No. of inputs (per common)		32 (32 points/com, 1 circuit)	64 (32 points/com, 2 circuits)
Input current		4.1 mA	4.1 mA
Operating voltage	ON	14.4 VDC min.	14.4 VDC min.
	OFF	5.0 VDC max.	5.0 VDC max.
Input response time	ON	1.0 ms max.	1.0 ms max.
	OFF	1.0 ms max.	1.0 ms max.
External connections		Connector	Connector
Input device requirement		Sinking (NPN) or sourcing (PNP)	Sinking (NPN) or sourcing (PNP)

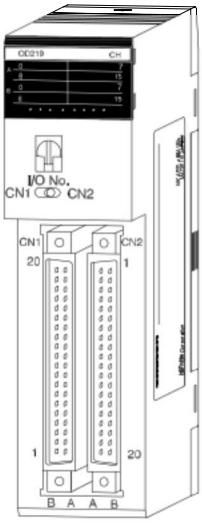
NOTE: High density input modules for C200H-CPU21. -CPU23, -CPU31, and C200HS CPU's only.

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Group 2 High-Density Output Modules
C200H-OD218/OD219



C200H-OD218



C200H-OD219

General Information

The high-density output modules for C200H CPU21, -CPU23, -CPU31 and C200HS CPUs let you pack more I/O points into a single I/O slot for greater space savings. These modules do not use standard I/O points. Thus, they increase the overall I/O capacity. They provide 32 or 64 discrete output points. The modules can be used with Omron's output blocks, reducing wiring between control panels as well as within control panels.

Features

- Easy cable connection to output blocks
- Up to five 64-point modules or 32-point modules per PLC

Specifications

Part number		C200H-OD218	C200H-OD219
Max. load current		16 mA 4.5 VDC to 100 mA 26.4 VDC	16 mA 4.5 VDC to 100 mA 26.4 VDC
Rated load voltage		5 to 24 VDC	5 to 24 VDC
No. of outputs (per common)		32 (32 points/com, 1 circuit)	64 (32 points/com, 2 circuits)
Residual voltage		0.8 V max.	0.8 V max.
Output response times	ON	0.1 ms max.	0.1 ms max.
	OFF	0.4 ms max.	0.4 ms max.
External connections		Connector	Connector
Leakage current		0.1 mA max.	0.1 mA max.
Fuse		3.5 A (not user-replaceable)	Two, 3.5 A (not user-replaceable)
External power supply		5 to 24 VDC, 110 mA min.	5 to 24 VDC, 220 mA min.
Operation		Sinking (NPN)	Sinking (NPN)

NOTE: High density input modules for C200H-CPU21. -CPU23, -CPU31, and C200HS CPU's only.

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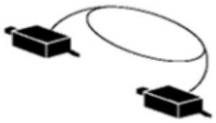
System Configuration

CPU Racks



8-slot Rack (Example)

C200H-CN 1



Connect with C200H-CN 1ft I/O Connecting Cable

Connects the CPU Rack to one or more Expansion I/O Racks. Cables are available in 0.3, 0.7, 2, 5 and 10 m lengths.

Expansion I/O Racks



8-slot Rack (Example)

Up to two Expansion I/O Racks can be connected to each CPU Rack.

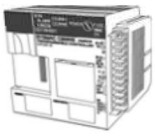
Slave Racks



8-slot Rack (Example)

One or more Slave Racks can be connected via optical or wire cable to a Remote I/O Master Module mounted on either a CPU or Expansion I/O Rack. Up to five Slave Racks can be connected per CPU Rack.

CPUs



C200HS-CPU31

CPUs with Communications

100/200 VAC: C200HS-CPU31-E, C200H-CPU31-E

24 VAC: C200HS-CPU33-E



C200HS-CPU21-E

Standard CPUs

100/200 VAC: C200HS-CPU01/21-E, C200H-CPU01/21-E

24 VAC: C200HS-CPU03/23-E, C200H-CPU03/23-E

CPU Memory

C200H

RAM C200H-MR

EPROM C200H-ME 1

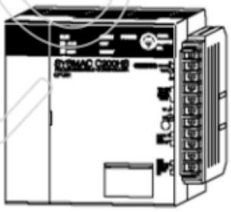
EEPROM C200H-ME 2

C200HS

EPROM C200HS-MP16K

EEPROM C200HS-ME16K

I/O Power Supplies



100/200 VAC: C200H-PS221

24 VAC: C200H-PS211

Remote I/O Slave Modules



100/200 VAC

Optical: C200H-RT001-P

Wired: C200H-RT201

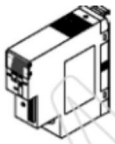
24 VAC

Optical: C200H-RT002-P

Wired: C200H-RT202

Communications Modules

SYSMAC Link Modules C200HS-SLK12/22



SYSMAC Net Modules C200HS-SNT32



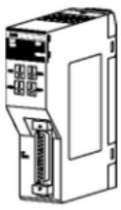
Link Modules

Host Link Modules

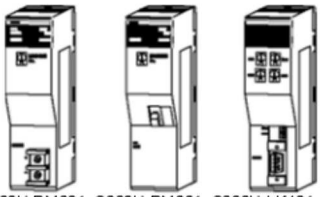
Optical: C200H-LK101-PV1

RS-422: C200H-LK202-V1

RS-232C: C200H-LK201-V1



Remote I/O Master Modules PC Link Modules



C200H-RM201 C200H-RM001 C200H-LK401

Interrupt Input Module

The interrupt function of this Module is available only when it is mounted to the CPU Rack (see note). When mounted to an Expansion Rack, the Module can be used only as a Standard I/O Module.

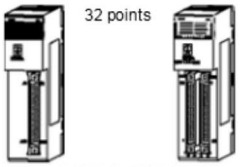


C200HS-INT01

High-Density I/O Modules

(Group-2 Modules)

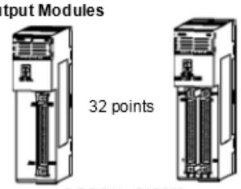
Input Modules



32 points 64 points

C200H-ID

Output Modules



32 points 64 points

C200H-OD

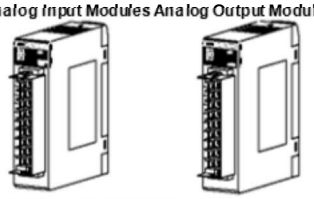
Note: Only one Interrupt Input Module can be used with a CPU.

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System Configuration

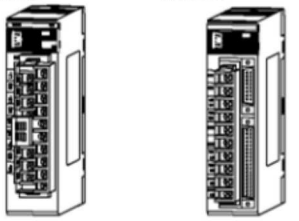
Special I/O Modules

Analog Input Modules Analog Output Modules



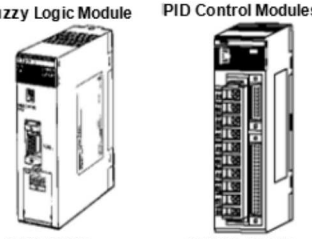
C200H-AD001/002 C200H-DA001

Temperature Sensor Modules **Temperature Control Modules**



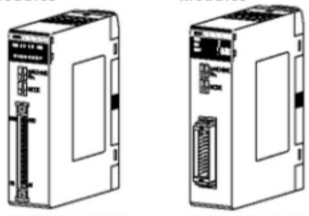
C200H-TS□□ C200H-TC□□

Fuzzy Logic Module **PID Control Modules**



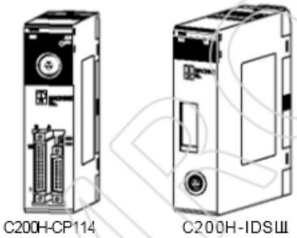
C200H-FZ001 C200H-PID□□

High Speed Counter Modules **Position Control Modules**



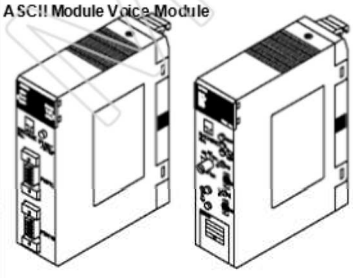
C200H-CT□□ C200H-NC□□

Cam Position Modules **ID Sensor Module**



C200H-CP114 C200H-IDS□□

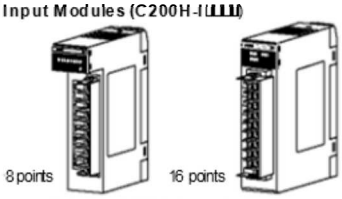
ASCII Module Voice Module



C200H-ASC02 C200H-OV001

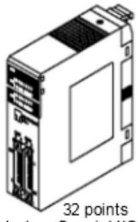
I/O Modules

Input Modules (C200H-I□□□)



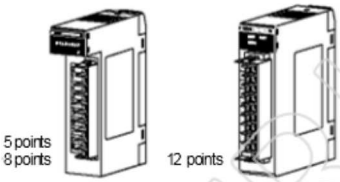
8 points 16 points

(AC, DC, AC/DC, transistor inputs)

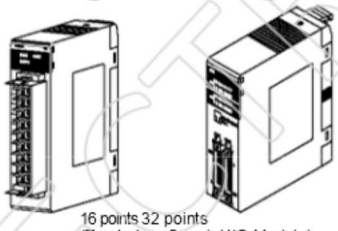


32 points
(Treated as Special I/O Module)

Output Modules (C200H-O□□□)

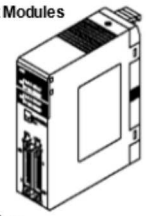


5 points
8 points 12 points

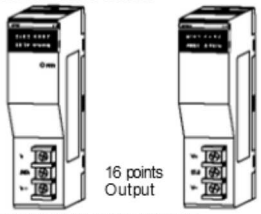


16 points 32 points
(Treated as Special I/O Module)

DC Input/Transistor Output Modules C200H-MD□□
(16 inputs and 16 outputs; treated as Special I/O Module.)



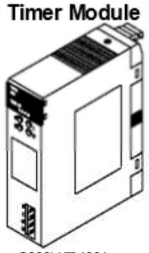
B7A Interface Modules



16 points Input 16 points Output

C200H-B7AI1 C200H-B7AO1

Analog Timer Module

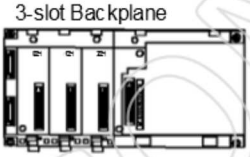


C200H-TM001

Backplanes

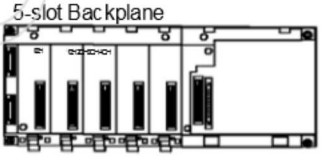
The same Backplanes are used for CPU, Expansion I/O, and Slave Packs.

3-slot Backplane



C200H-BC031-V2

5-slot Backplane



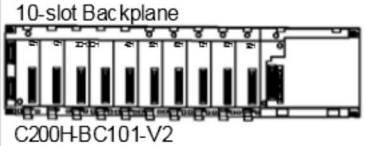
C200H-BC051-V2

8-slot Backplane



C200H-BC081-V2

10-slot Backplane



C200H-BC101-V2

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