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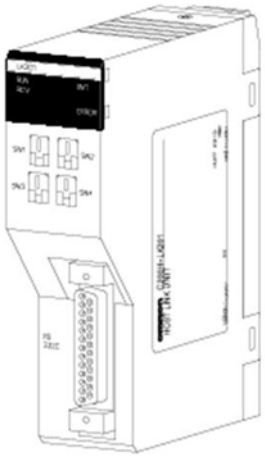
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Find the *OMRON C200H-LK201* at our website: *Click HERE*

C200H-LK201-V1

OMRON | SYSMAC Way

Link | Can Ship ASAP | Communication Modules



C200H-LK201-V1

Presented by - MRO Electric and Supply Company, Inc.

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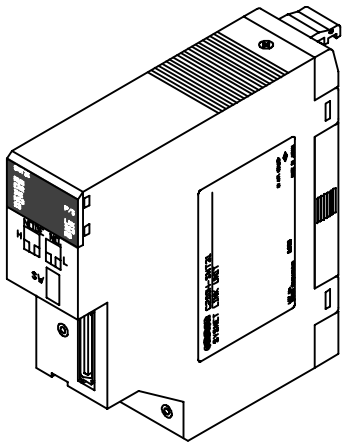
Email: *sales@MROELECTRIC.COM*

Call: ***1-800-691-8511*** *Fax:* ***919-415-1614***

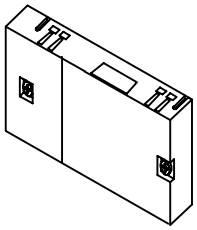
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OMRON System C200H ***MRO ELECTRIC & SUPPLY Company*** ***mroelectric.com***

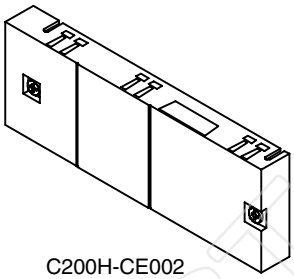
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C200HS-SNT32



C200H-CE001



C200H-CE002

General Information

The C200HS-SNT32 SYSMAC NET interface module connects the PLC to Omron's fiber-optic token ring LAN. A direct connection to the dual media, automatic loopback fiber-optic network is provided on the front of the module. An external power supply connection provides a pass through communications option in case of PLC or module failure.

Features

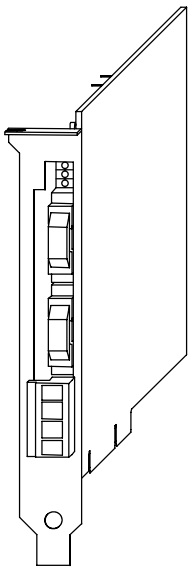
- Direct fiber-optic dual media connection in a single module
- External indicators for operating mode and diagnostics
- External power supply connection for pass through communications

Specifications

Part number	C200HS-SNT32
Number of modules per PLC	2 maximum with C200H-CPU31-E or C200HS-CPU31-E
Module mounting location	rack, right two slots
Module type	Special I/O module
Communication styles Datagram service Data link	SEND, RECEIVE Automatic peer-to-peer
Datagram size	2k bytes maximum per command
Data link size	3,854 words maximum
SYSMAC NET connection	Two Omron S3200-COCH62M fiber-optic connectors
Fiber-optic cable	Omron HPCF, PCF
External rotary switches	Set unit address and node address
External indicators	RUN, power supply, error, communication detect, data
RAS (reliability, assurance, safety) functions:	Automatic loopback, node bypass (with external power supply), internode tests, watchdog timer, CRCCITT error detection, error log
Required connectors	One module: C200H-CE001; two modules: C200H-CE002
Manual	W114
	Refer to this catalog for information about SYSMAC NET fiber-optic token ring LAN and the network functionality, performance, and configuration.

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SYSMAC NET Network Support Board
S3200-NSB11-E



S3200-NSB11-E

General Information

The S3200-NSB11-E network support board is an ISA bus computer interface card for SYSMAC NET. The network support board provides high-speed, high-capacity communications between computers linked to a SYSMAC NET network and the PLCs on that network. The board can be used as a high-speed interface for third party software allowing communications at speeds more than one hundred times faster than average serial communication. Fiber-optic communications allow high noise immunity and reliable transfer of data between PLCs and computers.

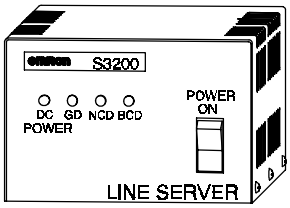
Features

- High-speed data transfer between PLCs and personal computers
- Redundant fiber-optic communications - 2 independent loops
- Automatic loopback

Specifications

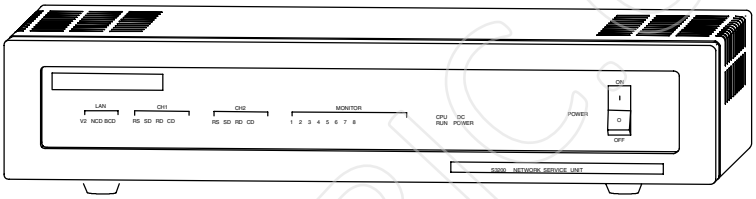
Part number	**S3200-NSB11-E**
Data transmission speed	2 Mbps
Distance between nodes	1 km max.
Number of nodes	126 per network
Message length	2 K bytes maximum per message
Bus type	ISA (IBM PC/AT)
Media	200 micron fiber-optic cable
Number of boards per computer	One
External connection	External back-up power source

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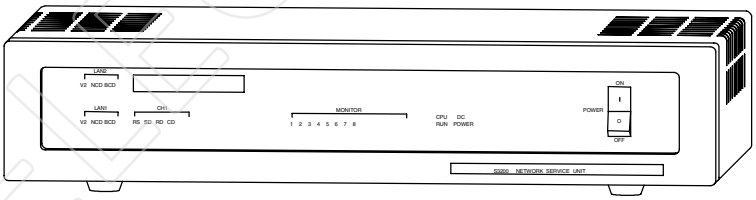
Line Server: S3200-LSU03-01E

The S3200-LSU03-01E Line Server is responsible for monitoring the health of the network. The line server provides the token and maintains the network, and coordinates the loopback functionality of the SYSMAC NET network. Additional line servers used as repeaters in situations where distances greater than 1 km are required.



Network Service Unit: S3200-NSUA1-00E

The S3200-NSUA1-00E Network Service Unit is used to connect serial communication devices to the SYSMAC NET network. The unit converts between serial and fiber-optic signals, allowing intelligent devices such as mainframe computers, robots, CNC machines, or bar code systems access to other devices on the network. The unit is available with two RS-232C ports or one RS-232C and one RS-422 port. Synchronous or asynchronous communication may be selected at speeds of 1200 to 9600 baud.

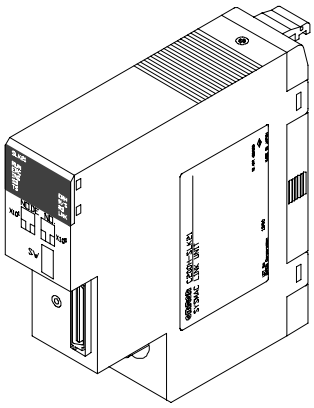


Local Bridge: S3200-NSUG4-00E

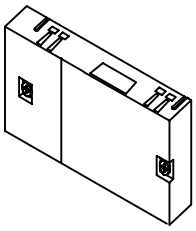
The S3200-NSUG4-00E Local Bridge is used to inter-connect two individual SYSMAC NET loops. The bridge allows nodes on separate SYSMAC NET loops to communicate. Each loop can support up to twenty bridges.

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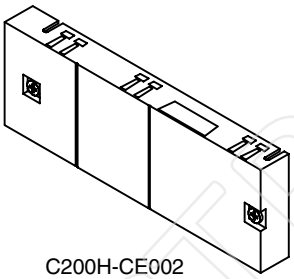
SYSMAC LINK Fiber-optic Module
C200HS-SLK12



C200HS-SLK12



C200H-CE001



C200H-CE002

General Information

The C200HS-SLK12 SYSMAC LINK fiber-optic module connects the PLC to the SYSMAC LINK fiber-optic token bus peer-to-peer communications network. An external power supply option provides direct pass-through communications in case of module or PLC failure.

Features

- Direct fiber-optic connection
- Back-up power supply connection for pass-through communications
- Token bus with floating master for reliability and network integrity
- External indicators for operating mode and diagnostics

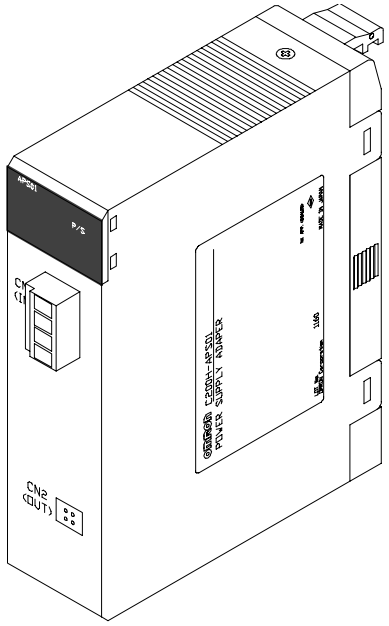
Specifications

Part number	**C200HS-SLK12**
Number of modules per PLC	2 maximum with C200H-CPU31-E or C200HS-CPU31-E (including co-axial and fiber-optic modules)
Module mounting location	CPU rack, right two slots
Module type	Special I/O Module
Communication styles **CPU bus link bits** **Data read/write** **Automatic and manual data link**	 Error, set up, status, and error indication SEND, RECEIVE, DELIVER commands Peer-to-peer
Data read/write size	512 bytes maximum per command
Data link size	2,966 words per network 918 words with a C200H connected
Data link words per node	254 CIO and 254 DM words maximum
SYSMAC LINK connection	2 - Omron S3200-COCF2011 Fiber-optic Connectors
External rotary switches	Set unit address and node address
External indicators	RUN, power supply, communication error, PLC error, communication detect, polling Module, transfer, receive, test, Data Link
External connector	RJ11 for C1000H-APS01 Auxiliary Power Supply
RAS (reliability, assurance, safety) functions	Automatic polling Module backup, self diagnostics, watchdog timer, CRCCITT error detection, error log
Required connectors	One module: C200H-CE001; two modules: C200H-CE002
Manual	W174
	Refer to this catalog for information about SYSMAC LINK Token Bus functionality, performance, and configuration.

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SYSMAC LINK Fiber-optic Power Supply

C200H-APS01



C200H-APS01

General Information

The C200H-APS01 auxilliary power supply provides back-up power to the SYSMAC LINK fiber-optic interface module in case of module or PLC failure. The power supply provides pass-through communications capability allowing the rest of the Network to function normally.

Features

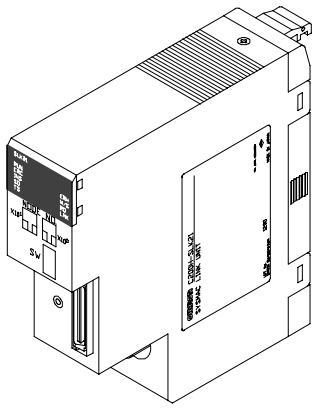
- Provides an auxilliary power source for two SYSMAC LINK fiber-optic modules
- Provides pass-through communications for added reliability
- Ready-made cables for easy connection to the SYSMAC LINK modules

Specifications

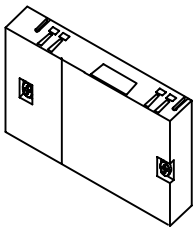
Part number	C200H-APS01
Number of modules supported	Two fiber-optic SYSMAC LINK
Input voltage	100 to 120 or 200 to 240 VAC
Operating voltage range	85 to 132 or 170 to 264 VAC
External connections	Back-up AC power terminals, 2 power supplies
External indicators	Power supply indicator lit when AC power is supplied
Cable	RJ11 from power supply to C200H-SLK11; two included
Mounting location	Power supply mounted next to SLK11 module
Manual	W212

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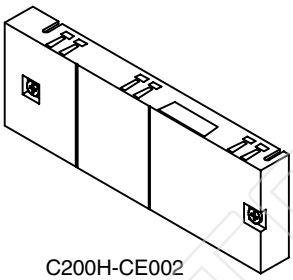
SYSMAC LINK Co-axial Module
C200HS-SLK22



C200HS-SLK22



C200H-CE001



C200H-CE002

General Information

The C200HS-SLK22 SYSMAC LINK module connects the PLC to the SYSMAC LINK token bus peer-to-peer communications network. A pass through coaxial cable connection is provided on the front of the module.

Features

- Co-axial cable pass-through connection
- Token Bus with floating master provides network integrity and reliability
- External indicators for operating mode and diagnostics

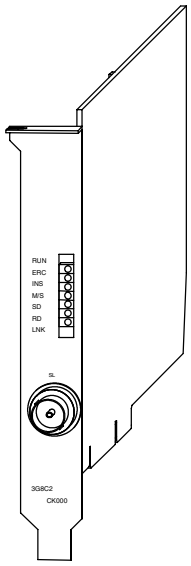
Specifications

Part number	**C200HS-SLK22**
Number of modules per PLC	2 maximum with C200H-CPU31-E or C200HS-CPU31-E (including co-axial and fiber-optic modules)
Module mounting location	CPU rack
Module type	Special I/O module
Communication styles **CPU bus link bits** **Data read/write** **Automatic and manual data link**	 Error, set up, status, and error indication SEND, RECEIVE, DELIVER commands peer-to-peer
Data read/write size	512 bytes maximum per command
Data link size	2,966 words per network 918 words with a C200H connected
Data link words per node	254 CIO and 254 DM words maximum
SYSMAC LINK connection	BNC coaxial connectors to Omron F connector
External rotary switches	Set unit address and node address
External indicators	RUN, power supply, communication error, PLC error, communication detect, polling module, transfer, receive, test, data link
RAS (reliability, assurance safety) functions	Automatic polling module backup, self diagnostics, watchdog timer, CRCCITT error
Required connectors	One module: C200H-CE001; two modules: C200H-CE002
Manual	W174
	Refer to this catalog for information about SYSMAC LINK Token Bus functionality, performance, and configuration.

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SYSMAC LINK Co-Axial Network Support Board

3G8F5-SLK21-E



3G8F5-SLK21-E

General Information

The 3G8F5-SLK21-E SYSMAC LINK support board is an ISA bus computer interface card for SYSMAC LINK. The board provides high-speed, high-capacity communications between computers linked to a SYSMAC LINK network and the PLCs on that network. The board can be used as a high-speed interface for third party software allowing communications at speeds more than one hundred times faster than average serial communication.

Features

- High-speed data transfer between PLCs and personal computers
- Distributed control with data link

Specifications

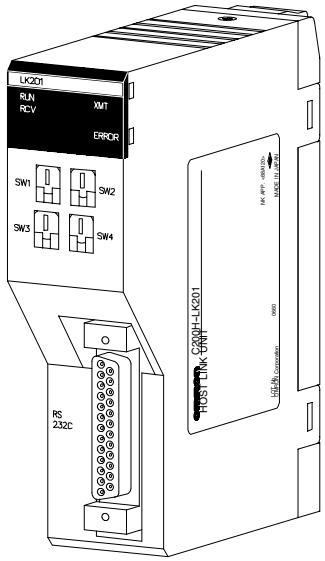
Part number	3G8F5-SLK21-E
Data transmission speed	2 Mbps
Message length	512 bytes max.
Media	Co-axial cable
Bus type	ISA (IBM PC/AT)
Data link words	2966 words max., 918 max. with C200H in Data Link
Link functions	Data Link read/write service

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SYSMAC WAY Host Link Module

C200H-LK101-PV1, C200H-LK201-V1, C200H-LK202-V1



C200H-LK201-V1

General Information

Host Link allows any computer to communicate to a single (RS-232C), or multiple (RS-422) Omron PLCs. Multiple system levels can be connected to the same PLC with up to 32 PLCs connected to one computer. Omron's Host Link protocol is well-defined and available for custom software driver development and operator interface connection to Omron PLCs. Most major operator interface companies have Host Link interfaces and drivers available. Host Link systems allow using Omron's Ladder Support Software (LSS) to program and monitor any PLC in the system.

The Host Link protocol is common to all Omron PLCs including the C20, K-type, Block-style H-type, CQM1, C200H, C1000H, C2000H, and CV-series PLCs.

Features

- Up to 32 PLCs can be connected to a single host computer
- Twisted pair or fiber-optic transmission media

Specifications

Number of modules per PLC	2 max.
Module mounting location	CPU rack or expansion rack
Module type	Special I/O module
Communication ports	1 RS-232C, 25 pin female (C200H-LK201) 1 RS-422 (C200H-LK202) 1 fiber port (C200H-LK101-P)
Communication method	Half or full duplex
Band rate	300, 600,1200, 2400, 4800, 9600, 19,200 or 38,400 bps (switch-selectable)
Stop bits	1 or 2
Parity	Even, odd
Data bits	ASCII (7 bits) or JIS (8 bits)
CT's signal control	X on X off control
Retry on interrupted transmission	Transmission delay time setting 0 to 510 ms
Front panel indicators	Run, error, send, receive
Manual	W143

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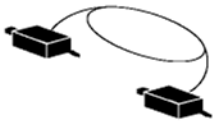
System Configuration

CPU Racks



8-slot Rack (Example)

C200H-CN 1



Connect with C200H-CN 1 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.

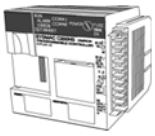
Slave Racks



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.

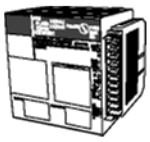
CPUs



C200HS-CPU31

CPUs with Communications

100/200 VAC: C200HS-CPU31-E, C200H-CPU31-E
24 VAC: C200HS-CPU33-E



C200HS-CPU21-E

Standard CPUs

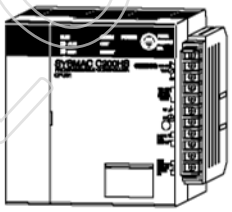
100/200 VAC: C200HS-CPU01/21-E, C200H-CPU01/21-E
24 VAC: C200HS-CPU03/23-E, C200H-CPU03/23-E

CPU Memory

C200H
- RAM C200H-MR
- EPROM C200H-ME 1
- EEPROM C200H-ME 2

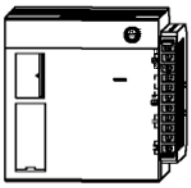
C200HS
- EPROM C200HS-MP16K
- EEPROM C200HS-ME16K

I/O Power Supplies



100/200 VAC: C200H-PS221
24 VAC: C200H-PS211

Remote I/O Slave Modules

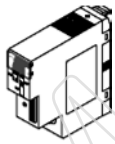


100/200 VAC
- Optical: C200H-RT001-P
- Wired: C200H-RT201

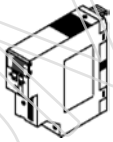
24 VAC
- Optical: C200H-RT002-P
- Wired: C200H-RT202

Communications Modules

SYSMAC Link Modules
C200HS-SLK12/22



SYSMAC Net Modules
C200HS-SNT32



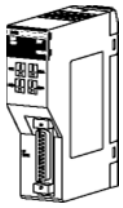
Link Modules

Host Link Modules

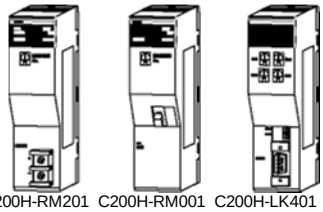
Optical: C200H-LK101-PV1

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.

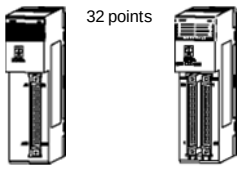


C200HS-INT01

High-Density I/O Modules

(Group-2 Modules)

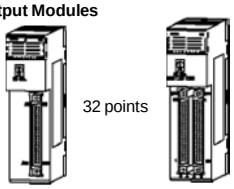
Input Modules



32 points 64 points

C200H-ID□□□

Output Modules



32 points 64 points

C200H-OD□□□

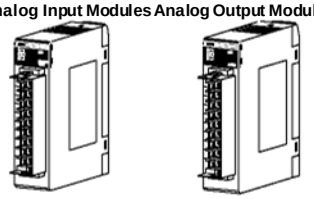
Note: Only one Interrupt Input Module can be used with a CPU.

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System Configuration

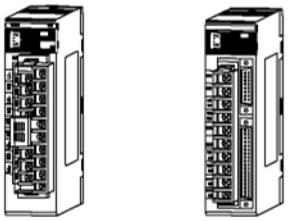
Special I/O Modules

Analog Input Modules **Analog Output Modules**



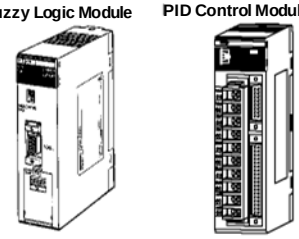
C200H-AD001/002 C200H-DA001

Temperature Sensor Modules **Temperature Control Modules**



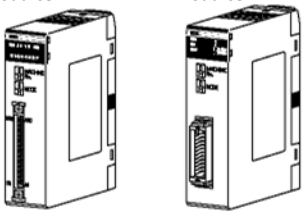
C200H-TSLLL C200H-TCLLL

Fuzzy Logic Module **PID Control Modules**



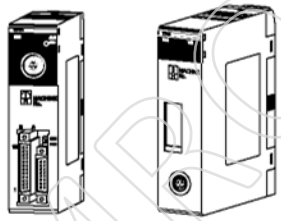
C200H-FZ001 C200H-PIDLL

High Speed Counter Modules **Position Control Modules**



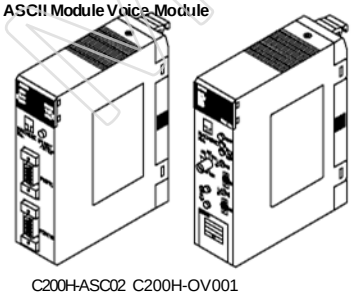
C200H-CTLLL C200H-NCLLL

Cam Position Modules **ID Sensor Module**



C200H-CP114 C200H-IDSLL

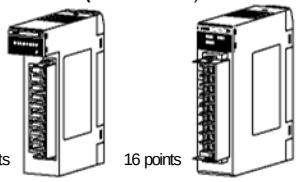
ASCII Module Voice Module



C200H-ASC02 C200H-OV001

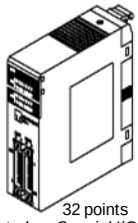
I/O Modules

Input Modules (C200H-ILLLL)



8 points 16 points

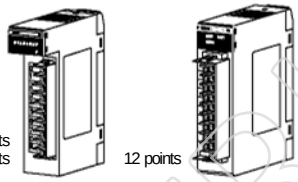
(AC, DC, AC/DC, transistor inputs)



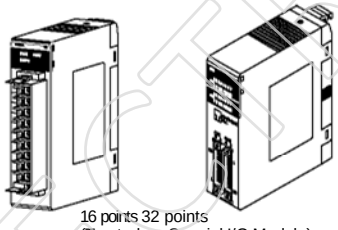
32 points

(Treated as Special I/O Module)

Output Modules (C200H-OLLLL)



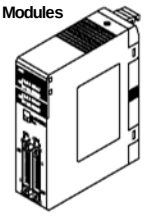
5 points 8 points 12 points



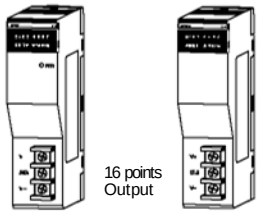
16 points 32 points

(Treated as Special I/O Module)

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



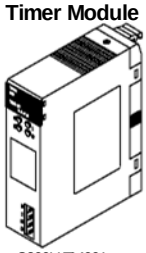
B7A Interface Modules



16 points Input 16 points Output

C200H-B7AI1 C200H-B7AO1

Analog Timer Module

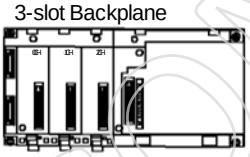


C200H-TM001

Backplanes

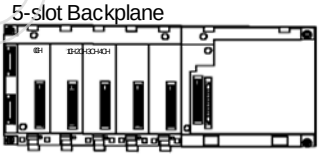
The same Backplanes are used for CPU, Expansion I/O, and Slave Packs.

3-slot Backplane



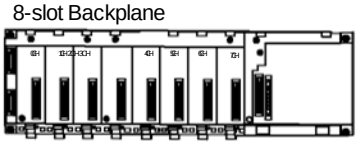
C200H-BC031-V2

5-slot Backplane



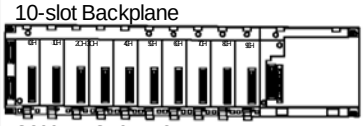
C200H-BC051-V2

8-slot Backplane



C200H-BC081-V2

10-slot Backplane



C200H-BC101-V2

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