

I/O Link Unit

C200HW-DRT21

Ideal for Adding Advanced Functionality to Slaves or for Distributed Control

- Intelligent DeviceNet Slave.
- Supports I/O and message communications.
- Maximum I/O area size:
 - 512 input points (32 words)
 - 512 output points (32 words)
- Programming Console or Configurator freely allocates I/O areas.



Ordering Information

Name	Maximum I/O points	Model
I/O Link Unit (for CS1, C200HX/HG/HE)	512 inputs, 512 outputs (1,024 points in total)	C200HW-DRT21

General Specifications

Communications power supply voltage	11 to 25 VDC
Current consumption	Communications power supply: 45 mA max. Internal circuit power supply: 250 mA max. at 5 VDC
Maximum I/O points	512 input points (32 words) 512 output points (32 words)
Default area	Write area (linking with Master's write area): 1 word out of 350 IR words Read area (linking with Master's read area): 1 word out of 50 IR words
No. of connectable Units	10 max. (CS1/C200HX/HG/HE CPU Unit handles up to 880 I/O points) 16 max. (CS1/C200HX/HG/HE CPU Unit handles more than 880 I/O points)
Weight	250 g max.

Dimensions

35 x 130 x 101 mm (W x H x D)

Function Specifications

● Settings (Slave)

Function	A write area block and a read area block can be freely allocated to any areas or addresses respectively	
Allowable setting area	Both read and write areas can be allocated to IR, DM, HR, AR, LR, T/C, and EM areas	
First address	A readable or writable area by word (with some restrictions)	
Area size	Set in 1-byte increments up to 64 bytes for both read and write areas	
Setting method	Configurator	Refer to the <i>DeviceNet Configurator Operation Manual (W328)</i> .
	Programming Console	1. Write the set value to I/O setting area allocated to the Special I/O Area. 2. Turn ON the software switch allocated to the Special I/O Area and write the settings. 3. Turn the Programming Console OFF and ON or reset the AR area.

● Message Communications

Function	Supports messages that can be written to or read from the CS1/C200HX/HG/HE's user I/O areas (i.e., IR, DM, HR, AR, LR, T/C, and EM areas)
Master	OMRON's Master Unit or compatible unit from Rockwell
Max. message size	Slave (C200HW-DRT21) 200 bytes per READ or WRITE command

Read and Understand This Catalog

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Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

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