

2-2-2 CS-series CPU Unit Capabilities

CS1-H CPU Units

Model	I/O bits	Program capacity	Data memory capacity (See note.)	Ladder instruction processing speed	Internal communications ports	Optional products
CS1H-CPU67H	(Up to 7 Expansion Racks)	250K steps	448K words	0.02 μs	Peripheral port and RS-232C port.	Memory Cards Inner Boards such as Serial Communications Boards
CS1H-CPU66H		120K steps	256K words			
CS1H-CPU65H		60K steps	128K words			
CS1H-CPU64H		30K steps	64K words			
CS1H-CPU63H		20K steps	64K words			
CS1G-CPU45H	5120 bits (Up to 7 Expansion Racks)	60K steps	128K words	0.04 μs		
CS1G-CPU44H	1280 bits (Up to 3 Expansion Racks)	30K steps	64K words			
CS1G-CPU43H	960 bits	20K steps	64K words			
CS1G-CPU42H	(Up to 2 Expansion Racks)	10K steps	64K words			

Note The available Data Memory capacity is the sum of the Data Memory (DM) and the Extended Data Memory (EM).

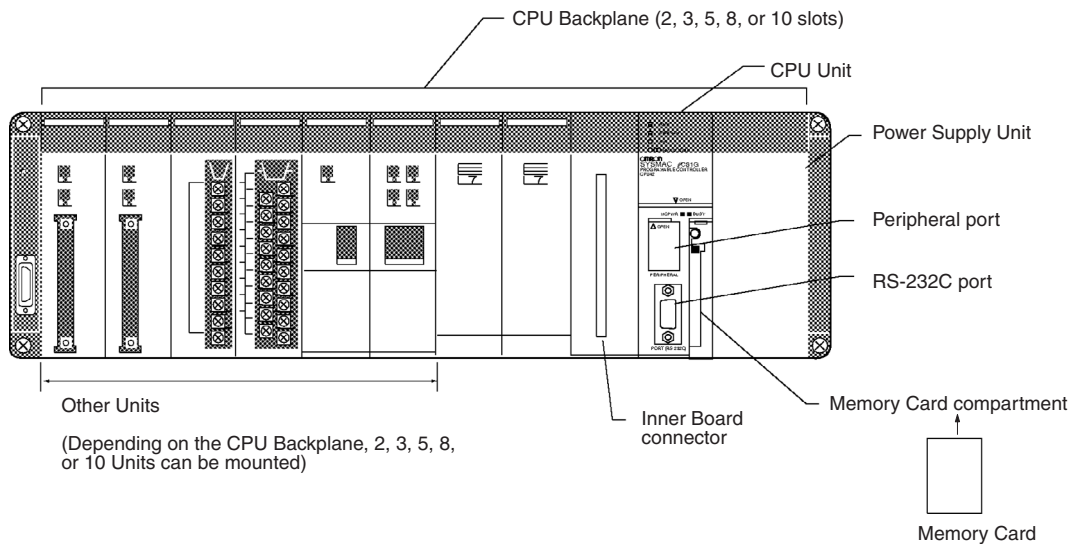
CS1 CPU Units

Model	I/O bits	Program capacity	Data memory capacity (See note.)	Ladder instruction processing speed	Internal communications ports	Optional products
CS1H-CPU67-EV1	5120 bits (Up to 7 Expansion Racks)	250K steps	448K words	0.04 μs	Peripheral port and RS-232C port.	Memory Cards Inner Boards such as Serial Communications Boards
CS1H-CPU66-EV1		120K steps	256K words			
CS1H-CPU65-EV1		60K steps	128K words			
CS1H-CPU64-EV1		30K steps	64K words			
CS1H-CPU63-EV1		20K steps	32K words			
CS1G-CPU45-EV1	5120 bits (Up to 7 Expansion Racks)	60K steps	128K words	0.08 μs		
CS1G-CPU44-EV1	1280 bits (Up to 3 Expansion Racks)	30K steps	64K words			
CS1G-CPU43-EV1	960 bits	20K steps	32K words			
CS1G-CPU42-EV1	(Up to 2 Expansion Racks)	10K steps	32K words			

Note The available Data Memory capacity is the sum of the Data Memory (DM) and the Extended Data Memory (EM).

2-3-2 CPU Rack

A CS-series CPU Rack consists of a CPU Backplane, a Power Supply Unit, and various other Units.



Name	Configuration	Remarks
CPU Rack	CPU Backplane	One of each Unit required for every CPU Rack. Refer to the following table for details on applicable models.
	CPU Unit	
	Power Supply Unit	
	Memory Card	Install as required.
	Serial Communications Board	Refer to the following table for details on applicable models.

Units

CS1-H CPU Units

Name	Model	Specifications
CS-series CS1-H CPU Units	CS1H-CPU67H	I/O bits: 5,120, Program capacity: 250K steps Data Memory: 448K words (DM: 32K words, EM: 32K words × 13 banks)
	CS1H-CPU66H	I/O bits: 5,120, Program capacity: 120K steps Data Memory: 256K words (DM: 32K words, EM: 32K words × 7 banks)
	CS1H-CPU65H	I/O bits: 5,120, Program capacity: 60K steps Data Memory: 128K words (DM: 32K words, EM: 32K words × 3 banks)
	CS1H-CPU64H	I/O bits: 5,120, Program capacity: 30K steps Data Memory: 64K words (DM: 32K words, EM: 32K words × 1 banks)
	CS1H-CPU63H	I/O bits: 5,120, Program capacity: 20K steps Data Memory: 32K words (DM: 32K words, EM: 32K words × 1 banks)
	CS1H-CPU45H	I/O bits: 5,120, Program capacity: 60K steps Data Memory: 128K words (DM: 32K words, EM: 32K words × 3 banks)
	CS1H-CPU44H	I/O bits: 1,280, Program capacity: 30K steps Data Memory: 64K words (DM: 32K words, EM: 32K words × 1 banks)
	CS1H-CPU43H	I/O bits: 960, Program capacity: 20K steps Data Memory: 64K words (DM: 32K words, EM: 32K words × 1 banks)
	CS1H-CPU42H	I/O bits: 960, Program capacity: 10K steps Data Memory: 64K words (DM: 32K words, EM: 32K words × 1 banks)

3-1 CPU Units

3-1-1 Models

CS1-H CPU Units

I/O points	Expansion Racks	Programming	Data Memory (DM + EM)	LD instruction processing time	Model	Weight
5,120	7 max.	250K steps	448K words	0.02 μ s	CS1H-CPU67H	350 g max.
		120K steps	256K words		CS1H-CPU66H	
		60K steps	128K words		CS1H-CPU65H	
		30K steps	64K words		CS1H-CPU64H	
		20K steps	64K words		CS1G-CPU63H	
		60K steps	128K words	0.04 μ s	CS1G-CPU45H	
1,280	3 max.	30K steps	64K words		CS1G-CPU44H	
960	2 max.	20K steps	64K words		CS1G-CPU43H	
		10K steps	64K words		CS1G-CPU42H	

CS1 CPU Units

I/O points	Expansion Racks	Programming	Data Memory (DM + EM)	LD instruction processing time	Model	Weight
5,120	7 max.	250K steps	448K words	0.04 μ s	CS1H-CPU67-EV1	400 g max.
		120K steps	256K words		CS1H-CPU66-EV1	
		60K steps	128K words		CS1H-CPU65-EV1	
		30K steps	64K words		CS1H-CPU64-EV1	
		20K steps	32K words		CS1G-CPU63-EV1	
		60K steps	128K words	0.08 μ s	CS1G-CPU45-EV1	
1,280	3 max.	30K steps	64K words		CS1G-CPU44-EV1	
960	2 max.	20K steps	32K words		CS1G-CPU43-EV1	
		10K steps	32K words		CS1G-CPU42-EV1	