



Programmable Logic Controllers

H-Series

Large PLC for Plant Engineering

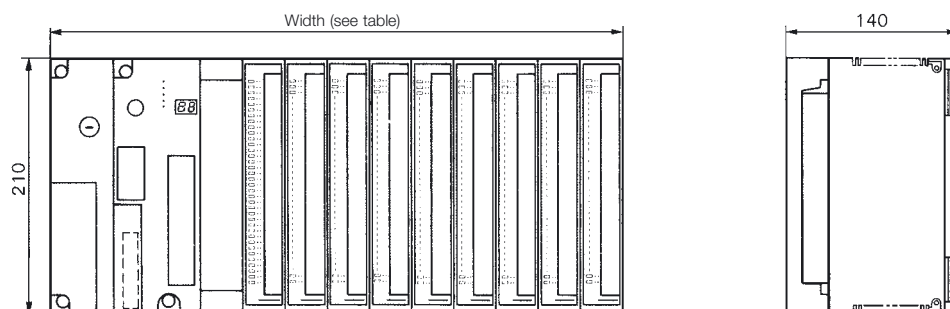
- High-performance CPU with processing speeds of up to 0.05 μ s/command
- Various special modules available
- Expandable up to 4096 I/Os
- Fieldbus system: Ethernet



All features at a glance

Type	Modular Control System (Central Units)					
	H302 / CPU2-03H	H702 / CPU2-07H	H1002 / CPU2-10H	H2002 / CPU2-20H	H4010 / CPU3-40H	
Power Supply	24 V DC	•	•	•	•	
	110 – 240 V AC	•	•	•	•	
Cycle Time	Bit Operations	0.9 µs	0.9 µs	0.4 µs	0.4 µs	0.05 µs
Memory	Program (1 step = 4 byte)	32 kByte	64 kByte	192 kByte	192 kByte	384 kByte
	Type	RAM / EPROM	RAM / EPROM	RAM / EPROM	RAM / EPROM	integrated FLASH memory
	Pluggable	16 / 32 / 64 or 192 kByte	16 / 32 / 64 or 192 kByte	16 / 32 / 64 or 192 kByte	16 / 32 / 64 or 192 kByte	–
Modules	Digital Inputs	16 / 32 / 64	16 / 32 / 64	16 / 32 / 64	16 / 32 / 64	16 / 32 / 64
	Type of Inputs	DC / AC	DC / AC	DC / AC	DC / AC	DC / AC
	Digital Outputs	16 / 32 / 64	16 / 32 / 64	16 / 32 / 64	16 / 32 / 64	16 / 32 / 64
	Type of Outputs	Relay/Trans/Triac	Relay/Trans/Triac	Relay/Trans/Triac	Relay/Trans/Triac	Relay/Trans/Triac
	Analogue Inputs	8	8	8	8	8
	Type of Analogue Inputs	I / U / PT100	I / U / PT100	I / U / PT100	I / U / PT100	I / U / PT100
	Analogue Outputs	4	4	4	4	4
	Type of Analogue Outputs	I / U	I / U	I / U	I / U	I / U
	Expandable by Expansion Rack	•	•	•	•	•
	Expandable by Distributed I/Os	•	•	•	•	•
	Counter	2 Channels 100 kHz	2 Channels 100 kHz	2 Channels 100 kHz	2 Channels 100 kHz	2 Channels 100 kHz
	Positioning	2 Axes, puls or analogue output	2 Axes, puls or analogue output	2 Axes, puls or analogue output	2 Axes, puls or analogue output	2 Axes, puls or analogue output
	Number of Modules (Basic Rack)	2, 5 or 9	2, 5 or 9	2, 5 or 9	2, 5 or 9	2, 5 or 9
	Number of Modules (Expansion Rack)	4, 7 or 11	4, 7 or 11	4, 7 or 11	4, 7 or 11	4, 7 or 11
Max. Number of Modules (central)	9	20	42	64	64	
Max. Number I/O-Points (central)	576	1280	2688	4096	4096	
Max. Number I/O-Points (distributed)	2048	2048	2048	2048	2048	
Special Functions	Real Time Clock	•	•	•	•	•
	PID Control	•	•	•	•	•
	Floating Point Processing	•	•	•	•	•
	Trigonometric Functions	•	•	•	•	•
Communication	Serial	RS-232 (2x)	RS-232 (2x)	RS-232 (2x)	RS-232 (2x)	RS-232 (3x)
	Ethernet	•	•	•	•	•
	Hitachi-Link	•	•	•	•	•
Connections	Removable terminal blocks, plug connectors (64 I/O modules)					
Mounting	Wall mounting					

H-Series Dimensions



Type	Base-Rack			Expansion-Rack		
	BSU-02H	BSU-05H	BSU-09H	EXU-04H	EXU-07H	EXU-11H
I/O Modules	2	5	9	4	7	11
Width mm	231.5	338	480	231.5	338	480

Hitachi Europe GmbH

Am Seestern 18 · D-40547 Düsseldorf
 Tel. +49-211-52 83 -0 · Fax +49-211-52 83 -649
 Internet: www.hitachi-ds.com
 E-Mail: info@hitachi-ds.com