

## EH-150 SERIES

### Programmable Logic Controllers



### Technical Data

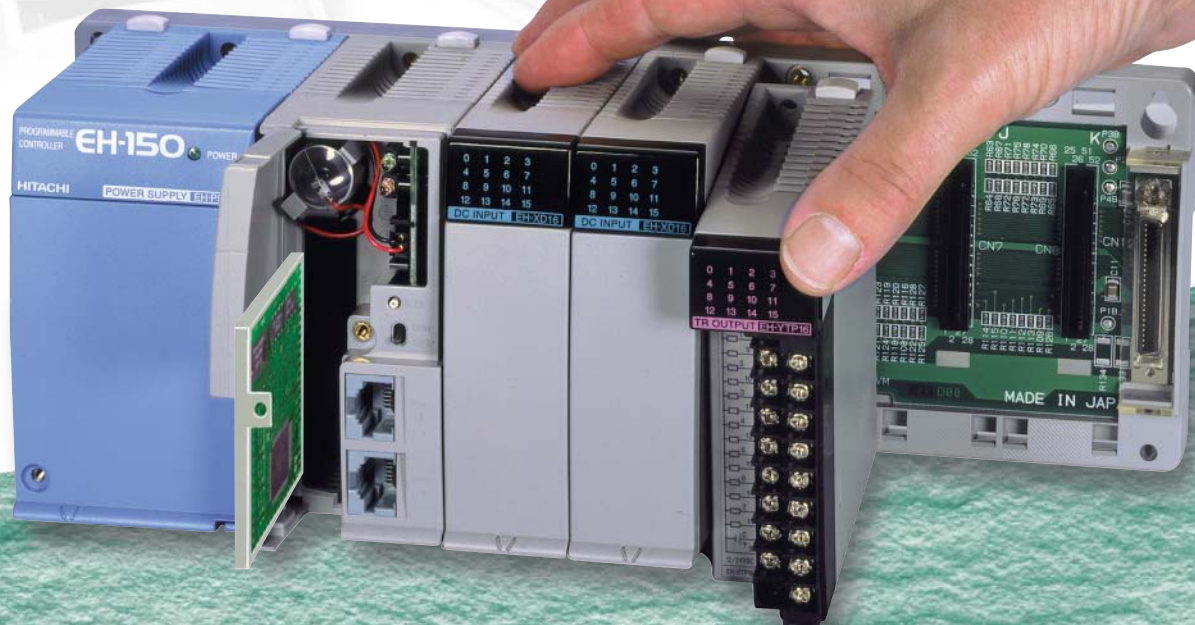
#### Modular Mini PLC

- Various communication options
- Economic application
- Various models
- Individually adaptable to customer requirements thanks to high-performance CPU and specialised I/O modules
- Up to 3520 I/Os
- 2 serial interfaces
- Quality assurance ISO 9001 Environmental standard ISO 14001
- 32 Bit-RISC-Micro-processor
- Ethernet module with integrated webserver available
- Open for all fieldbus systems thanks to ANYBUS:
  - Profibus-DP
  - DeviceNet
  - CANopen (coming soon)



DeviceNet.

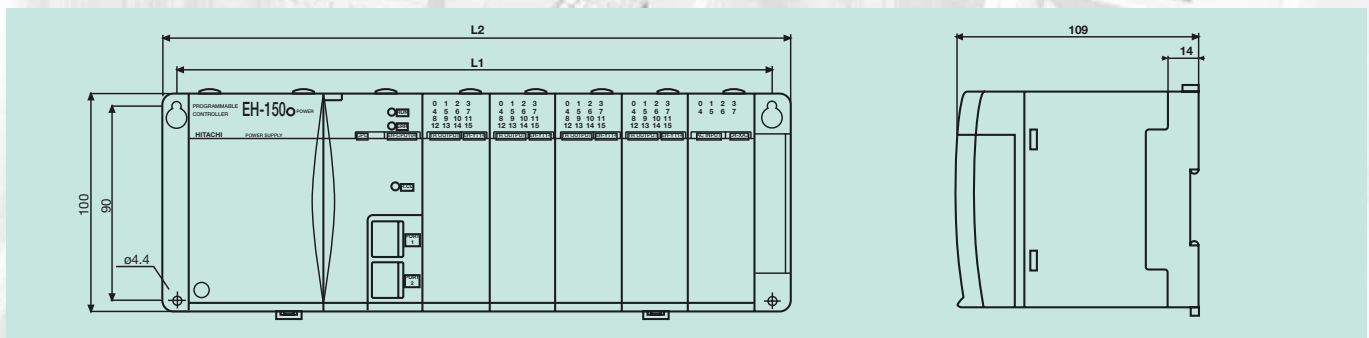
CANopen



## All features at a glance

Type		Modular Control System ( Central Units )				
		EH-150 / CPU 104A	EH-150 / CPU 208A	EH-150 / CPU 316A	EH-150 / CPU 516	EH-150 / CPU548
Power Supply	24V DC	•	•	•	•	•
	110 - 240 VAC	•	•	•	•	•
Cycle time per binary instruction		1µs	1µs	1µs	0.1µs	0.1µs
Memory	Program (1 step = 4 byte)	16 kByte	32 kByte	64 kByte	64 kByte	192
	Data	14 kByte	22 kByte	50 kByte	50 kByte	102 kByte
	Art	FLASH and RAM	FLASH and RAM	FLASH and RAM	FLASH and RAM	FLASH and RAM
	pluggable	–	–	64 kByte for storing PLC program 384 kWord for storing data	64 kByte for storing PLC program 384 kWord for storing data	192 kByte for storing PLC program 384 kWord for storing data
Functions	Real Time Clock	–	•	•	•	•
	Modem Interface	–	•	•	•	•
Modules	Digital Inputs	8 / 16 / 32 / 64	8 / 16 / 32 / 64	8 / 16 / 32 / 64	8 / 16 / 32 / 64	8 / 16 / 32 / 64
	Type of Inputs	DC / AC	DC / AC	DC / AC	DC / AC	DC / AC
	Digital Outputs	8 / 16 / 32 / 64	8 / 16 / 32 / 64	8 / 16 / 32 / 64	8 / 16 / 32 / 64	8 / 16 / 32 / 64
	Type of Outputs	Relay/Trans/Triac	Relay/Trans/Triac	Relay/Trans/Triac	Relay/Trans/Triac	Relay/Trans/Triac
	Analogue Inputs	4 / 8	4 / 8	4 / 8	4 / 8	4 / 8
	Type of Analogue Inputs	I / U / PT100/1000/TC	I / U / PT100/1000/TC	I / U / PT100/1000/TC	I / U / PT100/1000/TC	I / U / PT100/1000/TC
	Analogue Outputs	4/8	4	4/8	4/8	4/8
	Type of Analogue Outputs	I / U	I / U	I / U	I / U	I / U
	Expandable by Expansion Rack	–	•	•	•	•
	Expandable by Distributed I/Os	–	–	•	•	•
	Counter	1 or 2 channels100 kHz	1 or 2 channels100 kHz	1 or 2 channels100 kHz	1 or 2 channels100 kHz	1 or 2 channels100 kHz
	Positioning	1 axis, pulse output	1 axis, pulse output	1 axis, pulse output	1 or 4 axis, pulse output	1 or 4 axis, pulse output
	Number of Modules	3, 5 or 8	3, 5 or 8	3, 5 or 8	3, 5, 8 or 11	3, 5, 8 or 11
	Max. Number of Modules (central)	8	16	16	33	55
Max. Number of Expansion Racks	0	1	1	2	4	
Special Functions	32 bit RISC Processor	•	•	•	•	•
	PID Control	–	–	•	•	•
	Floating Point Processing	–	–	•	•	•
	Trigonometric Functions	–	–	•	•	•
Communication	Serial	RS-232 ( 2 x )	RS-232 (2x)	RS-232 / RS-485	RS-232 / RS-485	RS-232 / RS-485
	Profibus-DP	–	–	•	•	•
	DeviceNet	–	–	•	•	•
	CANopen	–	–	coming soon	coming soon	coming soon
	ETHERNET TCP/IP	–	–	•	•	•
Connections	Removable terminal blocks, plug connectors (32 and 64 I/O modules)					
Mounting	DIN rail or wall mounting					

## EH-150 Dimensions



Type	EH-BS11A	EH-BS8A	EH-BS5A	EH-BS3A
I/O slot number	11	8	5	3
L1 mm	447	357	267	207
L2 mm	462.5	372.5	282.5	222.5

Local contact:

[www.hitachi-ds.com](http://www.hitachi-ds.com)

**Hitachi Europe GmbH**

Am Seestern 18 · D-40547 Düsseldorf

Tel. +49-211-52 83 -0 · Fax +49-211-52 83 -649

eMail: [info-dus.pcs@hitachi-eu.com](mailto:info-dus.pcs@hitachi-eu.com)