



HCA8

High-speed High-performance Extension

Controllable I/O:16~256 points
Main Unit I/O : 16/32/48/64/80/128 points

- ◆ New High speed & small PLC
- ◆ Ultra high-speed, More capacity, Max. Performance, More Function
- ◆ Built-in 4 Pulse Train Outputs (100KHz / 200KHz)
- ◆ Built-in six 100kHz & two 10kHz high speed counter
- ◆ Built-in 3 Communication Ports (RS422+RS232+RS485)
- ◆ Built-in 64K FlashROM. Program will never lost.

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Main Unit I/O : 16/32/48/64/80/128 points



HCA8 Main Units

HCA8-8X8YR	AC D R	HCA8-16X16YR	AC D R	HCA8-24X24YR	AC D R	HCA8-32X32YR	AC D R	HCA8-40X40YR	AC D R	HCA8-64X64YR	AC D R
HCA8-8X8YT	AC D T	HCA8-16X16YT	AC D T	HCA8-24X24YT	AC D T	HCA8-32X32YT	AC D T	HCA8-40X40YT	AC D T	HCA8-64X64YT	AC D T
Input : 8 points		Input : 16 points		Input : 24 points		Input : 32 points		Input : 40 points		Input : 64 points	
Output : 8 points		Output : 16 points		Output : 24 points		Output : 32 points		Output : 40 points		Output : 64 points	

AC AC Power Supply D DC input R Relay output T Transistor output

Specifications

Item	Specification	
Power supply	Power supply	AC power:100~240V AC
	Power consumption	AC power:30W(16M),35W(32M),40W(48M), 45W(64M), 50W(80M), 65W(128M)
	In-rush current	AC power:max.30A/5ms(at 100V AC),45A/5ms(at 200V AC)
	Input Spec.	24V DC 5mA~7mA (No voltage contact, sink input: NPN open collector transistor input, source input: PNP open collector input)
	Output Spec.	Relay Output:2A/1 point 8A/4points COM 8A/8points COM ≤AC250V, ≤DC30V Transistor Output:0.5A/1 point 0.8A/4 points 1.6A/8 points, COM DC5V~30V
Performance	I/O extension	TX2N series extension blocks/ units can be connected.
	Program memory	64,000 steps RAM(battery provide) Option: Flash memory cassette of 64,000 steps (With/out) program transmission function), Flash memory cassette of 16,000 steps
	Time function	Integrated real-time clock accuracy within ±45 seconds/month at 25°C(with correction for leap year)
	Instruction	Standard:27 step ladder:2 Applied instruction:209
	Processing speed	Standard:0.05µs/ instruction Applied instruction:0.642~ several hundreds µs /instruction
	High speed processing	With I/O refresh instruction, input filter adjustment instruction, input interruption, timer interruption, high-speed counting interruption and pulse catch function
	Max integrated I/O point	384 points(including the I/O points of main unit, extension blocks and remote devices)
Others	Auxiliary relay& timers	Auxiliary:7,680 points timer:512 points
	Counter	16-bit counter:200 points 32-bit counter: 35 points High speed 32-bit counters: [1 phase]100KHz/6 points,10KHz/2 points [2 phase]50KHz/2 point (4 times available) [1 phase] 200kHz [2 phase] 100kHz with high speed adapter
	Data registers	General:8,000 points,Expansion:32,768 points, File register(Memory cassette should be installed):32,768 points,Index:16 points
	Communication ports	RS422+RS232+RS485
	Special expansion	For analog: Max. 4 For communication : Max. 2 (with expansion board)
Provided data communication	RS-232C,RS-485,RS-422,N:N network, parallel link, PC link	

Extension Device

Conversion blocks	Right extension blocks					
●Conversion blocks	●Analog blocks	●Temperature input	●Positioning blocks	●Input extension blocks	●Output extension blocks	●I/O extension blocks
HCA8C-CNV-TX2N	HCA8-4AD HCA8-4DA TX0N-3A	HCA8-4PT HCA8-4TC	TX2N-1PG	TX2N-8EX TX2N-16EX A8C-16EX	TX2N-8EYR TX2N-8EYT TX2N-16EYR TX2N-16EYT A8C-16EYT A8C-16EYR ...	TX2N-8ER