



new



AS228R-A



AS08AM10N-A



AS64AN02T-A

The AS series - Compact modular mid-range PLC

The **AS series** is a high performance multi-purpose controller designed for all types of automated equipment. Featuring Delta's self-developed 32-bit SoC CPUs for enhanced execution speed (40k steps/ms) supporting up to 32 extension modules or up to 1.024 Inputs/Outputs. Providing accurate positioning control for up to 8 axes via CANopen motion network and 6 axes via pulse control (200kHz). Widely used in diverse automated equipment, electronics manufacturing, labelling, food packaging, and textile machines.

- 32-bit CPU for high-speed processing
- Max. execution speed of basic instructions: 25 ns
- Built-in mini USB, micro SD slot RS-232 / 2x RS-485 com ports (Master/Slave), Ethernet IP (Adaptor and scanner)
- Rackless design (no-backplane) direct DIN rail mounting, patented DIN rail clips for fast vertical module installation
- Compact dimensions (H) 88 mm x (D) 95 mm

type	supply	digital		analog		description	output type
		Inputs	Output	Inputs	Output		

AS200 series - CPU (64k steps / 60k words) (H) 88 x (W) 88 x (D) 95 mm

- Program capacity: 64k steps
- Data register: 60k words
- Communication: USB, Ethernet, 2 x RS-485, CANopen
- Plug-in, screwless (push-in) terminals for ease of wiring and maintenance

AS228R-A	24 VDC	16	12	-	-	AS200 CPU module	relay
AS228T-A	24 VDC	16	12	-	-	AS200 CPU module	transist(NPN)
AS228P-A	24 VDC	16	12	-	-	AS200 CPU module	transist (PNP)
AS218TX-A	24 VDC	8	6	2	2	AS200 CPU module	transist (NPN)
AS218RX-A	24 VDC	8	6	2	2	AS200 CPU module	relay
AS218PX-A	24 VDC	8	6	2	2	AS200 CPU module	transist (PNP)

AS300 series - CPU (128k steps / 60k words) (H) 88 x (W) 88 x (D) 95 mm

- Program capacity: 128k steps / Data register: 60k words
- Communication: USB, Ethernet, 2 x RS-485, (accepts 2 x AS-F function cards)
- 2 x Incorporated slots accepting AS-F communication and/or analog function cards
- Plug-in, screwless (push-in) terminals for ease of wiring and maintenance

AS300N-A	24 VDC	-	-	-	-	AS300 CPU module	-
AS320T-B	24 VDC	8	12	-	-	AS300 CPU module	transist (NPN)
AS320P-B	24 VDC	8	12	-	-	AS300 CPU module	transist (PNP)
AS332T-A*	24 VDC	16	16	-	-	AS300 CPU module	transist (NPN)
AS332P-A*	24 VDC	16	16	-	-	AS300 CPU module	transist (PNP)
AS324MT-A❖	24 VDC	12	12	-	-	AS300 CPU module	differential type

❖ 2 axes 4MHz + 4 axes 200kHz output / 2 channels 4MHz + 4 channels 200kHz input

Power supply modules (Clips onto left side of CPU)

AS-PS02	100 - 240 VAC	24 VDC		2A for internal bus	power supply
AS-PS02A	100 - 240 VAC	24 VDC	1.5A internal bus	0.5A for external I/O	power supply
AS-ATXB*	-	24 VDC		to supply via bottom entry (side mount)	power adaptor

* Used with external power supplies for PLC racks which require more than 2A.

Digital I/O modules - for AS series PLC's

Input modules

- Plug-in, screwless (push-in) terminals (32 and 64 I/O modules high density MIL connector)

		(DI)	(DO)		
AS08AM10N-A	24 VDC	8	-	digital input module (DI)	-
AS16AM10N-A	24 VDC	16	-	digital input module (DI)	-
AS32AM10N-A*	24 VDC	32	-	digital input module (DI)	-
AS64AM10N-A*	24 VDC	64	-	digital input module (DI)	-

Output modules

AS08AN01R-A	24 VDC	-	8	digital output module (DO)	relay
AS08AN01T-A	24 VDC	-	8	digital output module (DO)	transist (NPN)
AS08AN01P-A	24 VDC	-	8	digital output module (DO)	transist (PNP)
AS16AN01R-A	24 VDC	-	16	digital output module (DO)	relay
AS16AN01T-A	24 VDC	-	16	digital output module (DO)	transistor (NPN)
AS16AN01P-A	24 VDC	-	16	digital output module (DO)	transist (PNP)
AS32AN02T-A*	24 VDC	-	32	digital output module (DO)	transist (NPN)
AS64AN02T-A*	24 VDC	-	64	digital output module (DO)	transist (NPN)

Mixed I/O modules

AS16AP11R-A	24 VDC	8	8	digital input/output mod. (DI/O)	relay
AS16AP11T-A	24 VDC	8	8	digital input/output mod. (DI/O)	transist (NPN)
AS16AP11P-A	24 VDC	8	8	digital input/output mod. (DI/O)	transist (PNP)

* High density MIL terminal block, see C-15



AS04AD-A



AS-FEN02



AS08TC-A



AS02LC-A

AS series - I/O modules and accessories

type	supply	analog		description
		Inputs	Output	

Analog I/O modules (W) 35 mm

- Single channel on/off setting to enhance overall conversion efficiency
- Wire break detection at 1 - 5V and 4 - 20mA
- **Voltage:** 1 - 5V, 0 - 5V, ±5V, 0 - 10V, ±10V **Current:** 4 - 20mA, 0 - 20mA, ±20mA

Input module (analog)

		(AI)	(AO)	
AS04AD-A	24 VDC	4	-	voltage and current input
AS08AD-B	24 VDC	8	-	voltage input
AS08AD-C	24 VDC	8	-	current input

Output module (analog)

AS04DA-A	24 VDC	-	4	voltage and current output
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Mixed I/O modules (analog)

AS06XA-A	24 VDC	4	2	voltage and current Input/Output
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Communication modules

Comm. extension module *accepts comm. and/or analog function cards* (W) 56 mm

AS00SCM-A	24 VDC			function card module for CPU / remote I/O interface
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Communication function cards (isolated)

• Plugs directly into AS300 main CPU or AS00SCM-A module				
AS-F232	RS-232			serial COM, RS-232 interface for CPU or AS00SCM-A
AS-F422	RS-422			serial COM, RS-422 interface for CPU or AS00SCM-A
AS-F485	RS-485			serial COM, RS-485 interface for CPU or AS00SCM-A
AS-FCOPM*	CANopen			CANopen port, support DS301, for CPU or AS00SCM-A
AS-FEN02*	Ethernet			MODBUS TCP, EtherNet/IP adaptor CPU modules

Analog I/O Function cards *plugs directly into main AS300 CPU or AS00SCM-A module*

AS-F2AD	24 VDC	2	-	0 - 10V (12-bit), 4 - 20mA (11-bit)
AS-F2DA	24 VDC	-	2	0 - 10V, 4 - 20mA (12-bit)

DeviceNet communication module (W) 35 mm

AS01DNET-A*	DeviceNet			supports master / slave modes, supports RTU function
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* Can be used as remote I/O modules

Temperature measurement modules *resolution: 0.1°C* (W) 35 mm

Pt, Ni temperature sensor ±0.1% overall accuracy

• Pt100/1000, Ni100/1000, JPt100, LG-Ni1000, Cu50/100, resistor 0~300/3000Ω				
AS04RTD-A	24 VDC	4 CH		PT, NI temperature sensor module
AS06RTD-A	24 VDC	6 CH		PT, NI temperature sensor module

Thermocouple temperature sensor ±0.5% overall accuracy

• Thermocouple - J, K, R, S, T, E, N, B; ±100mV				
AS04TC-A	24 VDC	4 CH		thermocouple temperature sensor module
AS08TC-A	24 VDC	8 CH		thermocouple temperature sensor module

Load cell module *selectable signal input ranges* (W) 35 mm

• Resolution: 24-bit for hardware (ADC), 32-bit for data output				
• High speed dynamic measurement				
AS02LC-A	24 VDC	2 CH		16bit load cell module (for 4/6 wire load cell sensors)