

AC500

Key features



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- A high performance PLC:
 - Large memory up to 160 MB
 - Highly modular
 - From 8 to +80 000 I/Os
 - More communication possibilities (Ethernet, Internet, PROFINET, PROFIBUS, Modbus, CANopen, EtherCAT, EthernetIP, OPC UA, OPC DA, IEC 60870-5-104, IEC61850, MQTT, ...)

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- Common AC500 platform benefits: Automation Builder engineering suite, I/O modules, scalable and flexible

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- Eight programming languages available (five IEC61131-3, CFC, C-code and C++)
 - Object oriented engineering
 - Virtual controller
 - Webvisu
 - Data logging
 - SD card for program back-up
 - High Availability (HA) option
 - Screw or spring terminal for I/Os
 - Extensive programming libraries

AC500

Ordering data

AC500 CPUs

- 2 internal serial interfaces, RS232 / RS485 configurable
- Display and 8 function keys for diagnosis and status
- Centrally expandable with up to 10 I/O modules, 320 I/Os (S500 and/or S500-eCo modules allowed)
- Simultaneous operation of up to 4 external communication modules in any desired combination
- Optional SD card for data storage and program backup
- Can also be used as slave on PROFIBUS DP, CANopen or PROFINET IO using CM582-DP, CM588-CN, CM589-PNIO or CM589-PNIO-4 communication modules
- Ethernet version provides web server and IEC 60870-5-104 remote control protocol

Program memory kB	Cycle time in μ s per instruction min. Bit/Word/Float. point	Integrated communication	Type	Order code	Price	Weight (1 pce) kg
128	0.06 / 0.09 / 0.7	2 x serial	PM572	1SAP130200R0200		0.135
512	0.06 / 0.09 / 0.7	Ethernet (1), 2 x serial	PM573-ETH	1SAP130300R0271		0.150
512	0.05 / 0.06 / 0.5	2 x serial	PM582	1SAP140200R0201		0.135
1024	0.05 / 0.06 / 0.5	Ethernet (1), 2 x serial	PM583-ETH	1SAP140300R0271		0.150
1024	0.004 / 0.008 / 0.008	Ethernet (1), 2 x serial	PM585-ETH	1SAP140500R0271		0.150
2048	0.002 / 0.004 / 0.004	Ethernet (1), 2 x serial	PM590-ETH	1SAP150000R0271		0.150
2048	0.002 / 0.004 / 0.004	ARCNET BNC, 2 x serial	PM590-ARCNET	1SAP150000R0261		0.150
4096	0.002 / 0.004 / 0.004	Ethernet (1), 2 x serial	PM591-ETH	1SAP150100R0271		0.150
4096	0.002 / 0.004 / 0.004	2 x Ethernet (1), 1 x serial	PM591-2ETH (3)	1SAP150100R0277		0.150
4096	0.002 / 0.004 / 0.004	Ethernet (1), 2 x serial	PM592-ETH (2)	1SAP150200R0271		0.150

AC500 Machine controller kits

- Complete product bundle providing all the needed devices for a machine controller delivered under one single order code

Program memory kB	Cycle time in μ s per instruction min. Bit/Word/Float. point	Contents / Integrated communication	Type	Order code	Price	Weight (1 pce) kg
1024	0.004 / 0.008 / 0.008	PM585-ETH, CM579-ETHCAT, TB511-ETH Ethernet (1), 2 x serial, EtherCAT Master	PM585-MC-KIT	1SAP140500R0379		0.500
2048	0.002 / 0.004 / 0.004	PM590-ETH, CM579-ETHCAT, TB521-ETH, TA524 Ethernet (1), 2 x serial, EtherCAT Master	PM590-MC-KIT	1SAP150000R0379		0.500

(1) Provides integrated web server and IEC 60870-5-104 remote control protocol on each interface independently.

(2) Provides integrated 4 GB flashdisk for user data storage and data logging.

(3) Only to be used with dedicated terminal base TB523-2ETH.



PM572



PM592



PM585-MC-KIT