AC500 V3

Product Data Sheet

PM5670-2ETH 1SAP151000R0278

AC500 V3 Ethernet CPU module

PROCESSOR ARCHITECTURE	PROCESSOR CLOCK	RAM	TOTAL FLASH MEMORY
32-bit TI ARM Cortex-A9 RISC	**1 GHz**	**512 MB**	**1024 MB**

ABB PM5670-2ETH, order code 1SAP151000R0278, is an AC500 V3 CPU module with a 1 GHz ARM Cortex-A9 processor. It provides 160 MB of user program memory and connects to the AC500 terminal-base and local I/O arrangement.

01 TECHNICAL DATA

Processor architecture	32-bit TI ARM Cortex-A9 RISC
Processor clock	1 GHz
RAM	512 MB
Total flash memory	1024 MB
User program memory	160 MB
Code and data allocation	32 MB
Minimum cyclic task interval	0.5 ms
Nominal supply	24 V DC
Ethernet interfaces	Two independent Ethernet interfaces
Serial interface	One RS-232/RS-485 interface via terminal base

ABB PLC Automation Main Catalog 3ADR020077C0204 Rev. E; PM5670 ordering and technical tables.

02 ADDITIONAL PRODUCT DATA

CAN interface	One CAN interface
Local expansion	Up to 10 I/O modules
Central digital I/O capacity	Up to 320 inputs and 320 outputs
Operator display	Display with eight function keys
Terminal-base family	TB56xx-2ETH

03 PRODUCT FUNCTION

The CPU has two independent Ethernet interfaces, a serial RS-232/RS-485 interface and a CAN interface through a compatible TB56xx-2ETH terminal base. A display with eight function keys supports local interaction. The published central expansion limit is ten I/O modules, with optional memory-card support for data and program handling.

04 SYSTEM COMPATIBILITY

Plan the two Ethernet interfaces independently, then assign serial and CAN services according to the installed base and project. The catalog lists RS-232/RS-485, CANopen and other CAN protocols; protocol configuration and licensing must follow the actual Automation Builder project.

05 REFERENCE

ABB PLC Automation Main Catalog 3ADR020077C0204 Rev. E; PM5670 ordering and technical tables.

AMIKON PRODUCT SUPPORT

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