ABB AC 800M

Product Data Sheet

PM860AK01 3BSE066495R1

AC 800M processor unit

PROCESSOR	CPU CLOCK	RAM	APPLICATION RAM
MPC860	**48 MHz**	**16 MB**	**10.346 MB**

ABB PM860AK01 3BSE066495R1 is an AC 800M processor unit built around a 48 MHz MPC860 processor and 16 MB RAM. It provides 10.346 MB of application RAM and handles up to 32 applications and 32 tasks, with application-program cycle times down to 1 ms. The controller is a non-redundant, non-High-Integrity CPU variant.

01 TECHNICAL DATA

Processor	MPC860
CPU clock	48 MHz
RAM	16 MB
Application RAM	10.346 MB
1000 Boolean operations	0.23 ms
Applications per controller	32
Programs per application	64
Diagrams per application	128
Tasks per controller	32
Minimum application cycle	1 ms

02 ADDITIONAL PRODUCT DATA

Firmware Flash PROM	2 MB
Supply voltage	24 V DC; 19.2–30 V DC
Supply current	180 mA typical; 300 mA maximum
Ethernet channels	2 × 10 Mbit/s, RJ45
Modulebus I/O capacity	96 modules maximum

03 PRODUCT FUNCTION

Its TP830 base plate provides two Ethernet connections for the Control Network and two RS-232C serial connections with different isolation and modem-control characteristics. The processor supports up to twelve single CEX-bus communication modules and up to 96 Modulebus I/O modules. Supply voltage is 24 V DC, with a permissible range of 19.2–30 V DC and maximum current of 300 mA.

04 SYSTEM COMPATIBILITY

Use CN1 and CN2 for the Control Network. COM3 supports RS-232C at 75–19200 baud with RTS/CTS and is not optically isolated; COM4 is an optically isolated 9600-baud configuration-tool port without RTS/CTS. These connections are not interchangeable merely because both use RJ45 connectors.

05 REFERENCE

ABB System 800xA Hardware Selector PM860AK01 Data Sheet, 13 October 2021

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM