

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7314-1AG13-0AB0

Expandable MPI Central Processor



TYPE	MEMORY	RETENTIVE	NETWORK
CPU 314	96 KB	64 KB max.	MPI

Siemens 6ES7314-1AG13-0AB0 is a SIMATIC S7-300 CPU 314 with 96 KB of integrated working memory and an MPI interface. It uses a SIMATIC Micro Memory Card for load storage and supports maintenance-free, battery-free retention of program and data.

01

VERIFIED TECHNICAL INFORMATION

Working memory	96 KB for program and data; not expandable
Retentive data	64 KB maximum in total
Load memory	Required plug-in SIMATIC MMC; 8 MB maximum
Memory backup	Maintenance-free MMC backup without battery
Bit-operation processing	0.1 microsecond typical
S7 counters and timers	256 counters and 256 timers
I/O address area	1 KB inputs and 1 KB outputs

Manufacturer evidence: CPU 31xC and CPU 31x: Installation; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Process image	128 bytes inputs and 128 bytes outputs
Rack configuration	Four racks maximum; eight modules per rack
Integrated field I/O	No integrated DI, DO, AI or AO channels
MPI communications	Non-isolated RS 485 MPI; 187.5 kbit/s; twelve connections
Hardware clock	Retentive and synchronizable; six-week backup at 40 degrees C
Diagnostic buffer	100 entries; not adjustable
DC supply	24 V nominal; 20.4-28.8 V allowed
Typical power loss	2.5 W

03 SOURCE AND CONFIGURATION CHECKS

The CPU accommodates compatible modules across four racks and offers a buffered hardware clock, 256 counters and 256 timers. Its MPI communication resource provides twelve connections, while the diagnostic buffer and variable-monitoring functions support examination of program execution and station operating conditions.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM