

SIPLUS S7-300 CPU 314

Product Data Sheet

6AG1314-1AG14-7AB0

SIPLUS CPU 314 Central Processor

NOMINAL DC SUPPLY	PERMITTED SUPPLY VOLTAGE	RATED SUPPLY CURRENT	TYPICAL UNLOADED CURRENT
24 V DC	19.2 to 28.8 V DC	650 mA	140 mA

Siemens 6AG1314-1AG14-7AB0 is a SIPLUS S7-300 CPU 314 based on the 6ES7314-1AG14-0AB0 processor. It provides programmable machine and process control with an MPI interface, integrated 24 V DC supply and 128 KB of work memory.

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VERIFIED TECHNICAL DATA

Nominal DC supply	24 V DC
Permitted supply voltage	19.2 to 28.8 V DC
Rated supply current	650 mA
Typical unloaded current	140 mA
Typical inrush current	3.5 A
Typical power loss	4 W
Supply failure buffering	5 ms; minimum repeat interval 1 s
Integrated work memory	128 KB; not expandable
Maximum MMC load memory	8 MB
MMC program-data retention	At least 10 years after programming; battery-free

ADDITIONAL PRODUCT DATA

Typical instruction execution	Bit 0.06 µs; word 0.12 µs; fixed point 0.16 µs; floating point 0.59 µs
Maximum program block count	1,024 DB / FB / FC combined; MMC-dependent
Maximum data-block size	64 KB
S7 counter capacity	256 counters; 0 to 999
Operating temperature	-25 to 70 deg C; conformal coating

DOCUMENTED USE SETTINGS

Manufacturing and Automated Production Control: Industrial Production Process Control.

Water Treatment and Wastewater Processing: Water Treatment Process Automation.

Industrial Process Production and Control: Chemical Process Production.

SYSTEM COMPATIBILITY

Configure the SIPLUS CPU 314 with the supported S7-300 modules and the required MMC. Use STEP 7 V5.5 SP1 or the documented earlier STEP 7 version with HSP 218.

PRODUCT EVIDENCE

Siemens exact-article technical data, 6AG1314-1AG14-7AB0

AMIKON PRODUCT SUPPORT

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