

SIMATIC S7-1500 CPU 1511-1 PN

Product Data Sheet

6ES7511-1AK01-0AB0

PROFINET PLC central processor

PROGRAM WORK MEMORY	DATA WORK MEMORY	MAXIMUM MEMORY-CARD CAPACITY	SUPPLY VOLTAGE
150 KB	1 MB	32 GB	24 V DC, 19.2 to 28.8 V

Siemens 6ES7511-1AK01-0AB0 is the CPU 1511-1 PN central controller in the SIMATIC S7-1500 family. It executes configured automation programs and coordinates compatible distributed devices through PROFINET.

01

VERIFIED TECHNICAL DATA

Program work memory	150 KB
Data work memory	1 MB
Maximum memory-card capacity	32 GB
Supply voltage	24 V DC, 19.2 to 28.8 V
Supply interruption bridging	5 ms
Maximum supply current	0.7 A
Inrush current	1.9 A
Supply I ² t	0.02 A ² s
Power loss	5.7 W
Bit instruction time	60 ns

ADDITIONAL PRODUCT DATA

Word instruction time	72 ns
Fixed-point instruction time	96 ns
Floating-point instruction time	384 ns
PROFINET interface	2-port integrated switch
Display diagonal	3.45 cm

DOCUMENTED USE SETTINGS

Automotive Manufacturing and Vehicle Component Production: Vehicle Body Manufacturing.

Food Manufacturing and Beverage Packaging Production: Industrial Food Production.

Packaging Manufacturing and Product Packaging Production: Packaging Material Converting.

SYSTEM COMPATIBILITY

Siemens 6ES7511-1AK01-0AB0 is the CPU 1511-1 PN central controller in the SIMATIC S7-1500 family. It executes configured automation programs and coordinates compatible distributed devices through PROFINET.

PRODUCT EVIDENCE

Siemens SIMATIC S7-1500 CPU 1511-1 PN technical documentation