SIEMENS PLC SIMATIC S7-1500 CPU 1513-1 PN 6ES7513-1AM03-0AB0SIMATIC MEMORY CARD REQUIRED

Our Product Introduction

Basic Information

- Place of Origin: Germany
- Brand Name: SIEMENS
- Certification: CE
- Model Number: CPU 1513-1 PN 6ES7513-1AM03-0AB0
- Minimum Order Quantity: 1
- Price: USD
- Packaging Details: 15,10 x 15,40 x 4,60
- Delivery Time: 10-12Days
- Payment Terms: L/C, T/T
- Supply Ability: 100

Product Specification

- Number Of Digital Outputs: Up To 64
- Number Of Analog Outputs: Up To 32
- Weight: 0.8 Kg
- Number Of Digital Inputs: Up To 64
- Memory: Up To 1 MB
- Power Supply: 24 V DC
- Number Of Analog Inputs: Up To 32
- Certifications: CE, UL, CUL, FM, KC, CCC
- Cpu Type: S7-1500
- Manufacturer: Siemens
- Dimensions: 130 X 125 X 130 Mm

SIEMENS PLC SIMATIC S7-1500 CPU 1513-1 PN 6ES7513-1AM03-0AB0SIMATIC MEMORY CARD REQUIRED

Product Introduction:
The PN 6ES7513-1AM03-0AB0 is a central processing unit (CPU) designed for industrial automation applications. It is part of the Siemens SIMATIC S7-1500 series, which is a family of programmable logic controllers (PLCs) renowned for their high-performance and advanced functionality.
Product Information and Specifications:
- Model: PN 6ES7513-1AM03-0AB0
The PN 6ES7513-1AM03-0AB0 CPU is equipped with a powerful processor that enables fast and efficient execution of control programs. It supports various programming languages, including ladder logic, function blocks, and structured text, offering flexibility in programming and allowing users to implement complex control logic.
In terms of memory capacity, the PN 6ES7513-1AM03-0AB0 provides ample storage space for both program and data. While specific details were not provided in the query, typical configurations of the CPU include program memory ranging from 300 KB to 1 MB and data memory ranging from 1.5 MB to 12 MB. The available memory allows users to store their control programs and data structures required for the operation of the PLC.
The PN 6ES7513-1AM03-0AB0 CPU is designed to operate in various industrial environments, delivering reliable and precise control for applications such as manufacturing, process control, and machine automation. It supports a wide range of communication interfaces, including PROFINET, PROFIBUS, and Ethernet, enabling seamless integration with other devices and systems in the automation network.
The CPU is typically programmed and configured using Siemens' TIA Portal (Totally Integrated Automation Portal) software. The TIA Portal provides a user-friendly environment for programming, simulation, and diagnostics, simplifying the development and maintenance of automation projects.
In summary, the PN 6ES7513-1AM03-0AB0 is a powerful and versatile central processing unit suitable for demanding industrial automation applications. With its advanced features, ample memory capacity, and extensive communication capabilities, it provides efficient and reliable control for complex industrial processes.

eral information	
Product type designation	CPU 1513-1 PN
HW functional status	FS03
Firmware version	V3.1
● FW update possible	Yes
Product function	
● I&M data	Yes; I&M0 to I&M3
● Isochronous mode	Yes; Distributed and central; with minimum OB 6x cycle of 500 μs (distributed) and 1 ms (central)
● SysLog	Yes
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	V19 (FW V3.1) / V18 (FW V3.0) or higher; with older TIA Portal versions configurable as 6ES7513-1AL02-0AB0
Configuration control	
via dataset	Yes
Display	
Screen diagonal [cm]	3.45 cm
Control elements	
Number of keys	8
Mode buttons	2
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Mains buffering	
● Mains/voltage failure stored energy time	5 ms
● Repeat rate, min.	1/s
Input current	
Current consumption (rated value)	0.56 A
Current consumption, max.	0.9 A
Inrush current, max.	1.15 A; Rated value
I²t	0.6 A²·s
Power	
Infeed power to the backplane bus	10 W
Power consumption from the backplane bus (balanced)	5.5 W
Power loss	

Power loss, typ.	3.4 W
Memory	
Number of slots for SIMATIC memory card	1
SIMATIC memory card required	Yes
Work memory	
● integrated (for program)	600 kbyte
● integrated (for data)	2.5 Mbyte
Load memory	
● Plug-in (SIMATIC Memory Card), max.	32 Gbyte
Backup	
● maintenance-free	Yes
CPU processing times	
for bit operations, typ.	25 ns
for word operations, typ.	32 ns
for fixed point arithmetic, typ.	42 ns
for floating point arithmetic, typ.	170 ns
CPU-blocks	
Number of elements (total)	4 000; Blocks (OB, FB, FC, DB) and UDTs
DB	
● Number range	1 ... 60 999; subdivided into: number range that can be used by the user: 1 ... 59 999, and number range of DBs created via SFC 86: 60 000 ... 60 999
● Size, max.	2.5 Mbyte; For DBs with absolute addressing, the max. size is 64 KB
FB	
● Number range	0 ... 65 535
● Size, max.	600 kbyte
FC	
● Number range	0 ... 65 535
● Size, max.	600 kbyte
OB	
● Size, max.	600 kbyte
● Number of free cycle OBs	100
● Number of time alarm OBs	20
● Number of delay alarm OBs	20
● Number of cyclic interrupt OBs	20; With minimum OB 3x cycle of 250 μs
● Number of process alarm OBs	50
● Number of DPV1 alarm OBs	3
● Number of isochronous mode OBs	2
● Number of technology synchronous alarm OBs	2
● Number of startup OBs	100
● Number of asynchronous error OBs	4
● Number of synchronous error OBs	2
● Number of diagnostic alarm OBs	1

Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	336 g