SIEMENS SIMATIC PLC CPU 1513-1 PN 6ES7513-1AL01-0AB0ENTRAL PROCESSING UNIT WITH WORK MEMORY 300 KB FOR PROGRAM AND 1.5 M

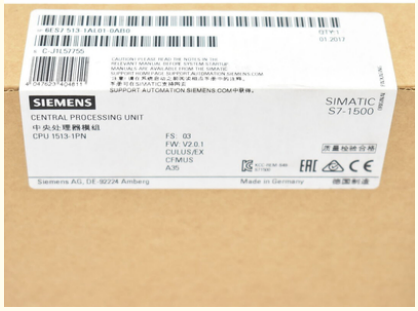
Our Product Introduction

Basic Information

- Place of Origin: Germany
- Brand Name: SIEMENS
- Certification: CE
- Model Number: CPU 1513-1 PN 6ES7513-1AL01-0AB0
- Minimum Order Quantity: 1
- Price: SUD
- 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 Motion Control Axes: 32/64
- Power Supply: 24V DC
- Number Of Analog Inputs: 16/32
- Number Of Technology Modules: 8/16
- Cpu Type: S7-1500
- Number Of Communication Modules: 8/16
- Number Of Digital Outputs: 32/64/128/256
- Number Of Digital Inputs: 32/64/128/256
- Operating Temperature Range: -20 To +60 Degrees Celsius
- Number Of Analog Outputs: 8/16



More Images

Product Description

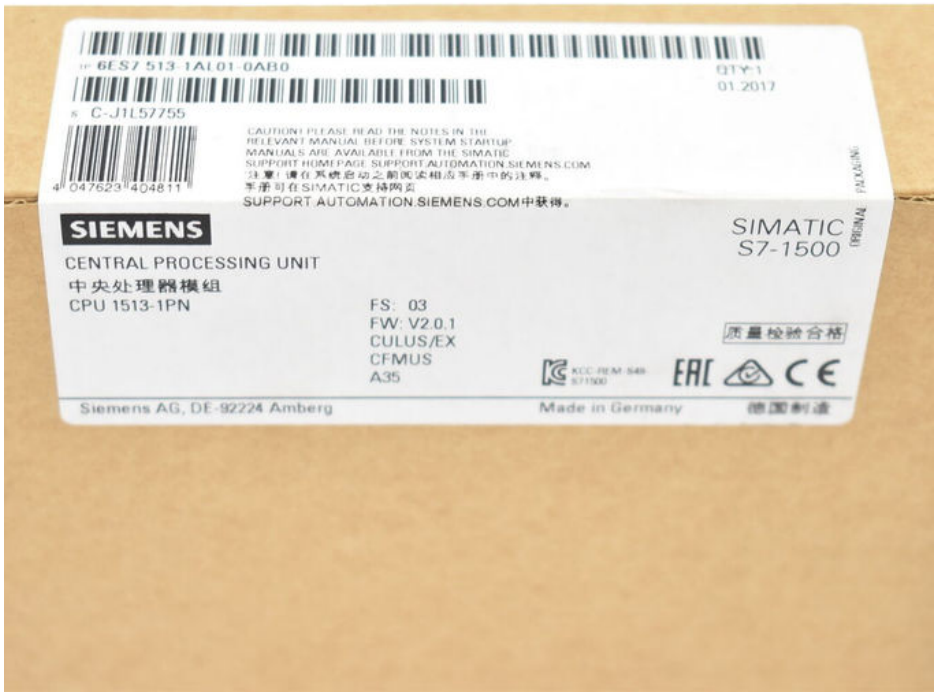
SIEMENS SIMATIC PLC CPU 1513-1 PN 6ES7513-1AL01-0AB0ENTRAL PROCESSING UNIT WITH WORK MEMORY 300 KB FOR PROGRAM AND 1.5 M

The CPU 1513-1 PN 6ES7513-1AL01-0AB0 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) known for their high-performance and advanced functionality.
The CPU 1513-1 PN 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, providing flexibility in programming and allowing users to implement complex control logic.
In terms of memory capacity, the CPU 1513-1 PN offers ample storage space for both program and data. While the specific details were not provided in the query, typical configurations of the CPU 1513-1 PN 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 program and data structures required for the operation of the PLC.
The CPU 1513-1 PN is designed to operate in various industrial environments, providing reliable and precise control in applications such as manufacturing, process control, and machine automation. It supports a wide range of communication interfaces, including PROFINET, PROFIBUS, and Ethernet, allowing seamless integration with other devices and systems in the automation network.
The CPU 1513-1 PN 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.
Overall, the CPU 1513-1 PN 6ES7513-1AL01-0AB0 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.

Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	V17 (FW V2.9) / V13 SP1 Update 4 (FW V1.8) or higher
Configuration control	
via dataset	Yes
Display	
Screen diagonal [cm]	3.45 cm
Control elements	
Number of keys	6
Mode selector switch	1
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)	0.7 A
Inrush current, max.	1.9 A; Rated value
I^2t	0.02 $A^2 \cdot s$
Power	
Infeed power to the backplane bus	10 W
Power consumption from the backplane bus (balanced)	5.5 W
Power loss	
Power loss, typ.	5.7 W
Memory	
Number of slots for SIMATIC memory card	1
SIMATIC memory card required	Yes
Work memory	
● integrated (for program)	300 kbyte
● integrated (for data)	1.5 Mbyte
Load memory	
● Plug-in (SIMATIC Memory Card), max.	32 Gbyte
Backup	
● maintenance-free	Yes
CPU processing times	
for bit operations, typ.	40 ns
for word operations, typ.	48 ns
for fixed point arithmetic, typ.	64 ns
for floating point arithmetic, typ.	256 ns
CPU-blocks	
Number of elements (total)	4 000; Blocks (OB, FB, FC, DB) and UDTs

programming / cycle time monitoring / header	
● lower limit	adjustable minimum cycle time

● upper limit	adjustable maximum cycle time
Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	430 g


6ES7 513-1AL01-0AB0
QTY:1
01.2017
C-J1L57755
CAUTION! PLEASE READ THE NOTES IN THE
RELEVANT MANUAL BEFORE SYSTEM STARTUP.
MANUALS ARE AVAILABLE FROM THE SIMATIC
SUPPORT HOME PAGE SUPPORT.AUTOMATION.SIEMENS.COM
4 047623 404811
SUPPORT.AUTOMATION.SIEMENS.COM中获得。
SIEMENS
SIMATIC
S7-1500
CENTRAL PROCESSING UNIT
中央处理器模组
CPU 1513-1PN
FS: 03
FW: V2.0.1
CULUS/EX
CFMUS
A35
质量检验合格
Siemens AG, DE-92224 Amberg
Made in Germany
德国制造

Sienteng Zhongbao Industrial Park, Longdong Community, Baolong Street, Longgang District, Shenzhen