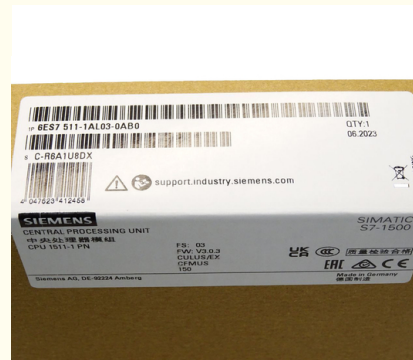# SIEMENS CPU1511-1 6ES7511-1AL03-0AB0 CENTRAL PROCESSING UNIT WITH WORK MEMORY 300 KB FOR PROGRAM AND 1.5 MB FOR DATA, 1S

Our Product Introduction

Basic Information

- Place of Origin: Germany
- Brand Name: SIEMENS
- Certification: CE
- Model Number: CPU 1511-1 P 6ES7511-1AK02-0AB0
- 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 Analog Outputs: 8
- Dimensions: 130 X 125 X 125 Mm
- Cpu Type: S7-1500
- Operating Voltage: 24 V DC
- Protection Rating: IP20
- Number Of Digital Outputs: 32
- Number Of Digital Inputs: 32
- Number Of Analog Inputs: 8
- Number Of Communication   3
  Interfaces:
- Weight: 0.6 Kg
- Operating Temperature: -20°C To 60°C
- Memory Size: 1 MB

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Product Description

SIEMENS CPU1511-1 6ES7511-1AL03-0AB0 CENTRAL PROCESSING UNIT WITH WORK MEMORY 300 KB FOR PROGRAM AND 1.5 MB FOR DATA, 1S

Product Introduction:
The SIEMENS CPU1511-1 6ES7511-1AL03-0AB0 is a central processing unit designed for industrial automation applications. It offers advanced functionality and high-performance capabilities to meet the demands of modern industrial systems.
Product Information and Specifications:
- Model: SIEMENS CPU1511-1 6ES7511-1AL03-0AB0
- Working Memory:
- Program Memory: 300 KB
- Data Memory: 1.5 MB
The SIEMENS CPU1511-1 6ES7511-1AL03-0AB0 is a part of the SIEMENS S7-1500 series, which is a family of programmable logic controllers (PLCs) developed by Siemens. It is equipped with a powerful processor and ample memory capacity to handle complex control tasks and ensure reliable and efficient operation.
The CPU1511-1 6ES7511-1AL03-0AB0 serves as the central processing unit of the automation system, executing the control program and managing the inputs and outputs. It supports various programming languages, including ladder logic, function blocks, and structured text, providing flexibility and versatility in programming.
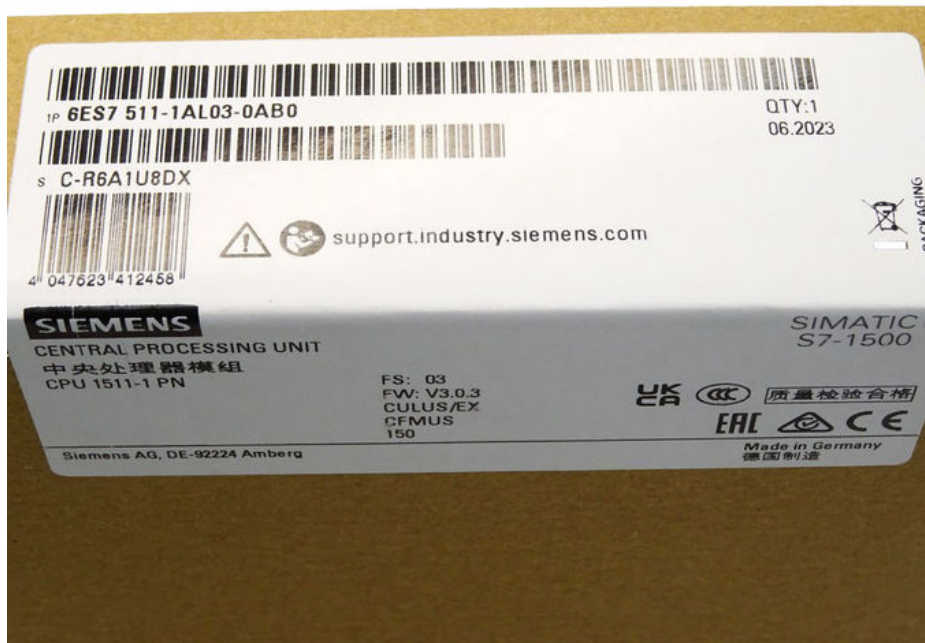With 300 KB of program memory, users can store their control program, including the logic and algorithms required for automation control. The 1.5 MB of data memory is used for storing variables, data structures, and other runtime data needed for the operation of the PLC.
The SIEMENS CPU1511-1 6ES7511-1AL03-0AB0 is designed for use in various industrial environments, such as manufacturing plants, production lines, and process industries. It can effectively control and monitor complex industrial processes, providing precise and reliable automation control.
The PLC supports various communication interfaces, allowing seamless integration with other devices and systems. This enables real-time data exchange, remote monitoring, and control, as well as easy integration with supervisory control and data acquisition (SCADA) systems.
In summary, the SIEMENS CPU1511-1 6ES7511-1AL03-0AB0 is a high-performance and feature-rich central processing unit for industrial automation applications. With its ample memory capacity, powerful processor, and versatile communication capabilities, it provides efficient and reliable control for complex industrial processes.

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	0.5 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)	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.	25 ns
for word operations, typ.	32 ns
for fixed point arithmetic, typ.	42 ns
for floating point arithmetic, typ.	170 ns

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.	336 g