

SIEMENS PLC SIMATIC S7-1500 CPU 1515-2 PN 6ES7515-2AM01-0AB0: PROFINET IRT WITH 2-PORT SWITCH, 2ND

Our Product Introduction

for more products please visit us on plcsimatic.com

Basic Information

- Place of Origin: Germany
- Brand Name: SIEMENS
- Certification: CE
- 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

- Dimensions: 130 X 150 X 75 Mm
- Number Of Digital Inputs: Up To 32
- Operating Temperature: -20°C To +60°C
- Number Of Digital Outputs: Up To 32
- Number Of Analog Inputs: Up To 16
- Memory: Up To 4 MB
- Number Of Analog Outputs: Up To 16
- Programming Languages: STEP 7, TIA Portal
- Weight: Approx. 0.5 Kg
- Power Supply: 24 V DC
- Number Of I/O Modules: Up To 32
- Cpu Type: S7-1500



More Images



Product Description

SIEMENS PLC SIMATIC S7-1500 CPU 1515-2 PN 6ES7515-2AM01-0AB0: PROFINET IRT WITH 2-PORT SWITCH, 2ND

Product Introduction:

The 6ES7515-2AM01-0AB0 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.

Product Information and Specifications:

- Model: 6ES7515-2AM01-0AB0

The 6ES7515-2AM01-0AB0 CPU features 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 6ES7515-2AM01-0AB0 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 500 KB to 2 MB and data memory ranging from 750 KB to 32 MB. The available memory allows users to store their control programs and data structures required for the operation of the PLC.

The 6ES7515-2AM01-0AB0 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 6ES7515-2AM01-0AB0 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.

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)
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	V17 (FW V2.9) / V13 (FW V1.5) or higher
Configuration control	
via dataset	Yes
Display	
Screen diagonal [cm]	6.1 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)	0.8 A
Inrush current, max.	2.4 A; Rated value
I ² t	0.02 A ² ·s
Power	
Infeed power to the backplane bus	12 W
Power consumption from the backplane bus (balanced)	6.2 W
Power loss	
Power loss, typ.	6.3 W
Memory	
Number of slots for SIMATIC memory card	1
SIMATIC memory card required	Yes
Work memory	
● integrated (for program)	500 kbyte
● integrated (for data)	3 Mbyte
Load memory	
● Plug-in (SIMATIC Memory Card), max.	32 Gbyte
Backup	
● maintenance-free	Yes
CPU processing times	
for bit operations, typ.	30 ns
for word operations, typ.	36 ns
for fixed point arithmetic, typ.	48 ns
for floating point arithmetic, typ.	192 ns

CPU-blocks	
Number of elements (total)	8 000; 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	70 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	830 g





