

SIEMENS SIMATIC PLC S7-300 MODULE AUTOMATION
SYSTEM

Our Product Introduction

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Basic Information

- Place of Origin: GERMANY
- Brand Name: SIEMENS
- Certification: CE
- Model Number: S7-300
- Minimum Order Quantity: 1
- Price: USD
- Packaging Details: 15*14*4
- Delivery Time: 5-10DAYS
- Supply Ability: 1000PS



Product Specification

- Cpu Type: S7-300
- Memory: 128KB 256KB 512KB 1M 2M
- Operating Temperature Range: -20 To 60 Degrees Celsius
- Number Of Analog Inputs: 2 4 6 8
- Number Of Counters: 2 4 6 8
- Weight: 0.5 Kg
- Number Of Digital Inputs: 8 16 32
- Number Of Digital Outputs: 8 16 32
- Number Of Timers: 8
- Communication Interfaces: PROFIBUS, MPI, Ethernet
- Power Supply: 220V 24V DC



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Product Description

SIEMENS SIMATIC PLC S7-300 MODULE AUTOMATION SYSTEM

Product Description:

The Siemens SIMATIC PLC S7-300 is a modular automation system designed for medium to large-scale industrial applications. It provides a flexible and powerful platform for controlling and monitoring various processes in manufacturing, process automation, and other industries. The S7-300 system consists of a central processing unit (CPU) and various modules for input/output (I/O), communication, and other functions.

Key Features:

1. **Modularity:** The S7-300 system allows for modular expansion, enabling users to customize their automation solutions based on specific requirements. It supports a wide range of digital and analog I/O modules, communication modules, and specialty modules.
2. **High Performance:** The S7-300 CPU offers fast processing speeds and high performance, ensuring efficient and reliable operation of the automation system. It can handle complex control tasks and supports advanced programming languages.
3. **Scalability:** The system can be easily expanded and adapted to changing needs. Additional modules can be added without interrupting the overall operation, allowing for future expansion and upgrades.
4. **Communication Capabilities:** The S7-300 supports various communication protocols, including PROFIBUS and Ethernet, enabling seamless integration with other devices, systems, and networks. This facilitates data exchange, remote monitoring, and control.
5. **Extensive Functionality:** The S7-300 system provides a wide range of functions and features, such as advanced diagnostics, data logging, motion control, and process visualization. It can handle complex automation tasks and supports integration with HMI (Human Machine Interface) systems.

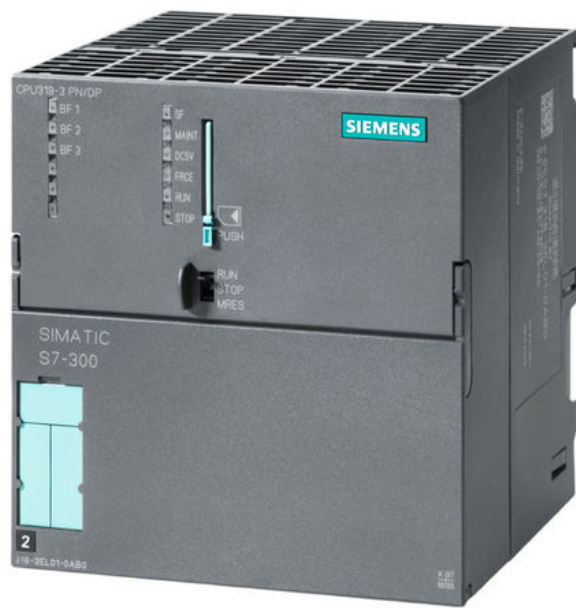
Application Areas:

The SIMATIC PLC S7-300 is widely used in various industries and applications, including:

1. **Manufacturing:** The system is suitable for controlling and monitoring production lines, assembly processes, and machine tools in manufacturing plants.
2. **Process Automation:** It can be applied in industries such as chemical, oil and gas, pharmaceuticals, and food and beverage, for process control, batch management, and optimization.
3. **Energy Management:** The S7-300 system can be used for monitoring and controlling energy distribution, power generation, and energy efficiency in power plants and smart grid systems.
4. **Building Automation:** It is suitable for controlling and monitoring HVAC systems, lighting, security, and other building automation applications.
5. **Transportation:** The S7-300 system can be employed in transportation systems, such as railways, airports, and ports, for control and monitoring of signals, switches, and other critical infrastructure.

Overall, the Siemens SIMATIC PLC S7-300 is a versatile and powerful automation system with modular expansion options, high performance, and extensive functionality. It finds applications in various industries that require efficient control and monitoring of complex processes.







Shenzhen Voboal Industrial Automation Co., Ltd.



+8613760462017



sale@voboal.com



plcsimatic.com

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