6ES7677-1DD00-0BH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	6es7677-1dd00-0bh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Modular Embedded Controller
Processor	1 GB RAM
Storage	2 GB Flash Disk
Preinstalled Software	Windows XP Embedded, SIMATIC WinAC RTX, SIMATIC Softnet-S7/Lean, WinCC flexible RT 2048 PT
Interfaces	2 x Profinet, 1 x Fast Ethernet, 2 x USB, MMC Slot
Supply Voltage	24 V DC
Mains Buffering	5 ms
Power Loss	34 W
Memory	512 KB Non-volatile

Description

The Siemens 6ES7 677-1DD00-0BH0 is a modular embedded controller from the SIMATIC S7 series, specifically designed for industrial automation applications. This model, part of the EC31-HMI/RTX 2048 PT configuration, integrates a 1 GB RAM and a 2 GB flash disk pre-installed with Windows XP Embedded, SIMATIC WinAC RTX, SIMATIC Softnet-S7/Lean, and WinCC flexible RT 2048 PT software.

It features multiple interfaces, including two Profinet ports, one Fast Ethernet port, two USB ports, and an MMC slot, facilitating versatile connectivity options. The controller operates with a supply voltage of 24 V DC and offers a mains buffering time of 5 ms, ensuring reliable performance during power fluctuations.

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It consumes approximately 34 W of power under typical operating conditions. The device is equipped with 512 KB of non-volatile memory for retentive data storage, supporting the retention of critical data during power cycles.

This embedded controller is ideal for applications requiring robust and flexible automation solutions, offering a compact and efficient platform for various industrial processes.

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