

Schneider 140CPU11304C Manual

Brand	Schneider
Product Series	Schneider
Product Type	CPU Module

Description

The Modicon Quantum 140CPU11304C is a CPU module designed for industrial automation processes. With a robust memory configuration and a communication speed that can reach 1 Mbps, it is suitable for demanding applications.

Technical specifications for 140CPU11304C

Manufacturer Schneider Electric

Product Type CPU Module

Product Line Modicon Quantum

Part Number 140CPU11304C

Extended Memory 1 x MB+

RAM 768 KB

Program Capacity 16 K steps

Mounting Type Rack-mounted

User Logic Memory 16 KB

Communication Port 1 x Modbus Plus

Battery-backed RAM Yes

Serial Ports 1 x RS232

Watchdog Function Integrated

Communication Speed Up to 1 Mbps

Local Rack Support Yes

Status LEDs Run, Fault, I/O, Comm

Execution Time (Boolean) ~0.3 μ s

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Description

The Schneider Electric 140CPU11304C, part of the Modicon Quantum series, is tailored for high-performance control applications. This CPU module operates with an extended memory of 1 MB+ and is equipped with 768 KB of dynamic RAM. Designed to accommodate significant processing requirements, it supports program capacities of up to 16,000 steps.

As a rack-mounted unit, it fits seamlessly into existing setups. It includes a single Modbus Plus communication port, facilitating effective automation across different devices. Serial communication capabilities are added through an RS232 port.

This module features integrated battery-backed RAM, ensuring that important data is preserved during power outages. The watchdog function is present, contributing to the module's reliability by continuously monitoring system operations. The communication speed maxes out at 1 Mbps, enabling fast data transfer.

Programming is seamless with compatible software, which streamline the development process. Local rack support adds to its versatility, making it adaptable within various configurations.

Also included are status LEDs that provide real-time feedback on the module's operation, with indicators for run status, fault occurrences, I/O activity, and communication processes. With an execution time of approximately 0.3 microseconds for Boolean

operations, the 140CPU11304C stands out for its efficiency in executing logic functions.

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