

Schneider Series Service Manual

170ENT11000

1. Description

The 170ENT11000 Ethernet network adapter from Schneider Electric, part of the Modicon Momentum series, is designed for seamless integration into Ethernet TCP/IP networks. Featuring support for both peer-to-peer and master/slave communication modes, this adapter enables efficient data transfer at speeds of 10 or 100 Mbps.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Ethernet network adapter
Product	Line Modicon Momentum
Part	Number 170ENT11000
Weight	0.25 lbs (0.11 kg)
Communication	Protocol Ethernet TCP/IP standard
Data	Transfer Speed 10/100 Mbps
Communication	Method Peer-to-peer and master/slave modes
Transmission	Medium Shielded twisted pair wiring
Supported	Network Structures Star and multidrop configurations
Maximum	Connected Devices Up to 32 units per segment
Longest	Cable Run 1000 meters maximum
Addressing	System Unique IEEE-assigned address; configurable IP address
Error	Detection Mechanism CRC-32 verification
Safety	Mode Automatic fail-safe response
Status	Indicators LED signals for network link speed (10/100 Mbps), activity, and system status
Connection	Type RJ45 port for 100BASE-TX interface

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Technical specifications for 170ENT11000

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Status Indicators LED signals for network link speed (10/100 Mbps), activity, and system status

Connection Type RJ45 port for 100BASE-TX interface

Schneider Electric’s 170ENT11000 is an Ethernet network adapter specifically tailored for the Modicon Momentum series. It operates using the Ethernet TCP/IP protocol, ensuring compatibility with a wide range of devices in networked environments. Capable of data transmission speeds of 10 or 100 Mbps, this adapter facilitates robust peer-to-peer and master/slave communication modes.

With shielded twisted pair wiring as its transmission medium, this component is optimized for two primary network structures: star and multidrop. It can accommodate up to 32 devices on a single segment, supporting extensive configurations for various industrial applications. The maximum cable run supported by the 170ENT11000 extends to 1000 meters, providing flexibility in installation.

Addressing is accomplished through a unique IEEE-assigned address alongside a configurable IP address, enhancing the adaptability and functionality of the network adapter. It also includes CRC-32 error detection for data integrity and automatic fail-safe response for enhanced safety during operation.

Users benefit from visible status indicators, featuring LED lights that signal network link speed, activity levels, and system condition. To connect, it employs an RJ45 port designed for 100BASE-TX interface, ensuring standard connectivity with compatible networking components. Lightweight at 0.07 kg, this Ethernet adapter is easy to integrate into existing systems while maintaining efficient performance.