



Model 170- ETHERPORT

Internal 170 Ethernet Card



FEATURES

- 300 to 230,400 bps Data Rates
- Model 170/179 Style Card
- RS232 Interface
- Temperature Hardened
- 10/100 Base-T Network Interface

Description

The GDI Series 170-ETHERPORT is a versatile Ethernet communications internal card for a Model 170 controller.

The GDI Series 170-ETHERPORT incorporates all essential networking features, including a 10Base-T/100Base-TX Ethernet connection, proven operating system, an embedded web server, e-mail alerts, a full TCP/IP protocol stack, and 256-bit AES encryption for secure communications.

The two serial ports communicate via the a single communications channel. The Host Interface connects through the card edge to the local controller. The Auxiliary Port utilizes a DB9 connector and can be used to bring in copper or wireless communications into the main data stream.

Additionally, the Auxiliary Port functionality is switch selectable. It can operate as a DCE or DTE interface. In DCE mode, it operates in parallel with the Host Interface and can be used to configure the Etherport via a PC terminal program. In DTE mode, it provides an external interface for the host which can be connected to another DCE device such as a FSK modem. Full handshaking is provided so as to facilitate interoperability across different transmission systems.

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Model 170- ETHERPORT

Internal 170 Ethernet Card

Serial Interface

Data Rates: 300 to 230,400 bps
Characters: 7 or 8 data bits
Parity: odd, even, none
Stop bits: 1 or 2
Control Signals: RTS/DCD, CTS
Flow Control: XON/XOFF, RTS/CTS

Network Interface

Interface: Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Connector: RJ45
Protocols: TCP/IP, UDP/IP, ARP, SNMP, TFTP, Telnet, DHCP, BOOTP, HTTP and AutoIP

Indicators

10Base-T connection
100Base-TX connection
Link & activity indicator - Full/half duplex

Management

SNMP, Telnet, serial, internal Web server, and Microsoft Windows®-based utility for configuration

Security

Password protection
Optional 256-bit AES Rijndael encryption

Environmental

Temperature: -40° to 75°C

Power Requirements

+12 volts and 12 volts \pm 5% @ 75 mA

Specifications subject to change without notice

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