

IEPS 3000

Intelligent Ethernet Port Server

Features

- LAN-Attached Serial Port Expansion
- Optional Ethernet Hub
- Remote Monitoring
- IP Routing for Multi-Site Networks
- Software for Virtual Com Port Included
- Permits Gateway Connection from Instrument's RS-232 to PC's Ethernet LAN

Description:

The IEPS3000 gives users the ability to connect KEP products with Ethernet networks. Up to six SUPERtrol II (ST2) units can be connected to each of the RS-232 ports on the IEPS3000. The port server allows customers to use their existing plant 10 base T ethernet rather than running separate cables to the ST2's. This will permit users to have TROLlink, Infilink-HMI software, Server software or Flow Computer setup application running on a PC with an ethernet port. Their software at the PC end creates a virtual RS-232 COM Port for these programs.

Since the IEPS3000 works using an IP address and uses TCP/IP Protocol, it also has Internet address capabilities.

Port Server Software Included to:

- Assign IP Address
- Set Communication Parameters
- Create Virtual Com Port

The IEPS3000 is characterized by high reliability, superior software functionality, expanded hardware interfaces and simplified remote installation. The IEPS3000 is designed for users who need to manage, control, program and share access with one to four devices over the LAN or Internet using standard protocols.

Ordering Information

IEPS3182	2-port
IEPS3282	2 port with optional HUB port
IEPS3184	4-port
IEPS3284	4 port with optional HUB port



IEPS3000 Hardware Specifications

- Motorola MC68EN360 QUICC 25 MHz or 33 MHz microprocessor with internal RISC processor.
- 1M byte in-circuit boot flash and program memory.
- 4 M byte nonparity DRAM.
- 10 Mbps Ethernet connection over 10BASET physical lines.
- 1 10BASET Ethernet HUB ports
- Two or Four asynchronous serial ports with modem control and surge suppression. Asynchronous port data rates of 50 bps to 115.2 Kbps over EIA-232 electrical interface. Uses DB-9 physical interface. Supports RS-232, RS-422, and RS-485.
- External 110 or 240 VAC power supply.
- Initialization self-test.
- Hardware exerciser.
- Status LEDs for each port.

Environmental Specifications

Operating temperature range: 0 to 50°C
Storage temperature range: -10 to 70°C
Humidity range: 10% to 90% noncondensing

Product Dimensions

The IEPS3000 model measures: 8 inches x 4.75 inches x 1.25 inches (203 mm x 121 mm x 32 mm)

Ethernet cabling specifications

This section describes guidelines for using 10BASET twisted-pair cabling:

- Recommended cable is 22 to 26 AWG category 3 or category 5 unshielded solid copper twisted pair (standard telephone wire), at least Level 2 (two twists per foot).
- Maximum distance of a segment—from concentrator to node—is 100 meters (328 feet).
- Maximum of two devices to a cable segment.
- Ethernet network interface cards (NICs) are available with built-in 10BASET transceivers and a 15-pin AUI port.
- Devices with standard AUI ports may be attached by using a twisted-pair transceiver (MAU).

Compatible Instruments:

SUPERtrol 1LE, 1, 2, LEVELtrol II, INT69, MINItrol and others.

Compatible Software:

SUPERtrol Family Setup Diskette, KEPServer, TROLlink, Infilink-HMI