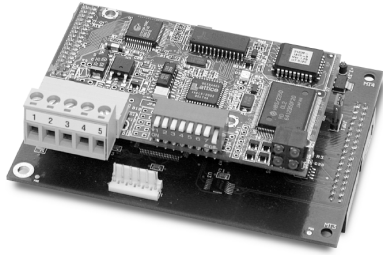


DeviceNet™ Interface



Standard Features

- DeviceNet communication adapter
- Compact size for internal installation in 520 and 920i indicators
- Polled I/O connection
- 125 Kbps, 250 Kbps, and 500 Kbps baud rate
- On-board LED diagnostics
- Device master places eight bytes in the output format and reads eight bytes from the input format
- Floating-point commands support decimal points

Specifications

POWER REQUIREMENTS:

Bus adapter card with DeviceNet Module, DC power

Supply voltage 6 VDC, supplied by 520 and 920i bus
 Typical current draw: 270 mA
 Power consumption: 1.62 W
 The bus shall be supplied with 24V DC $\pm 10\%$ on the fieldbus connector
520 Indicator typical AC load
 Power (TRMS): 3.51 W
 Current (TRMS): 33.7 mA
920i Indicator Typical AC load
 Power (TRMS): 2.18 W
 Current (TRMS): 28.9 mA

POWER CONSUMPTION:

Inmod:

Typical supply current, module electronics: 170 mA
 Maximum supply current, module electronics: 200 mA

Inbus:

Typical supply current, bus interface 25 mA
 Maximum supply current, bus interface: 30 mA

COMMUNICATIONS:

Twisted-pair cabling at 125, 250, or 500 Kbps
 Update rate is dependent on the configured baud rate and the number of network modes
 520 Indicator maximum update rates:

up to 120 updates/second
 920i Indicator maximum update rates: up to 960 updates/second

GALVANIC ISOLATION:

Bus power is separated from other electronics via DC/DC converter. The send and receive signals are isolated via opto couplers

FIELD BUS INTERFACE:

Pluggable screw connector

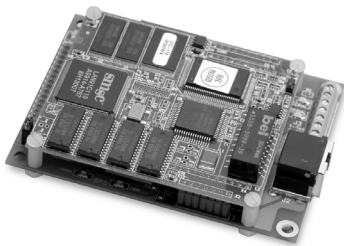
OPERATING TEMPERATURE:

14°F to 104°F (-10°C to 40°C)

WARRANTY:

1-year limited warranty

Ethernet TCP/IP Interface



Standard Features

- Supports any serial devices with seven or eight data requiring ethernet access
- Compact size for internal installation in 520 and 920i indicators
- Can be used in other applications requiring five-volt power supplied
- 10/100 megabyte through RJ45 connector or terminal strip (920i)
- 10 megabyte through RJ45 connector (520)
- HTTP, serial, telnet, and SNMP management

Specifications

SUPPORTED PROTOCOLS:

ARP, UDP, TCP, Telnet, SNMP, ICMP, HTTP, BOOTP, DHCP, and TFTP

COMPATIBILITY:

Ethernet: Version 2.0/IEEE 802.3

NETWORK INTERFACE:

Ethernet: RJ45 (10BASE-T) or AUI (transformer and resistors/capacitors required)

SERIAL INTERFACE:

2 TTL serial interfaces
 Reset line
 Rx/D/TxD
 RTS/CTS/DCD
 DTR line (for disconnect)
 Three status lines (for LEDs)

DATA RATES:

300 bps to 115.2 Kbps

SERIAL LINE FORMATS:

Characters: 7 or 8 data bits
 Stop bits: 1 or 2
 Parity: odd, even, none

MODEM CONTROLS:

DTR (TTL level)

FLOW CONTROL:

XON/XOFF
 CTS/RTS
 None

MANAGEMENT:

Internal Web server
 SNMP (read only)
 Serial login
 Telnet login

SYSTEM SOFTWARE:

Flash ROM standard: new software can be downloaded from a TCP/IP host (TFTP) or over serial port

DIAGNOSTIC LEDS:

TX/RX Data
 Good Link
 Status
 Diagnostics

POWER REQUIREMENTS:

5V regulated
 250mA (Ethernet model)

OPERATING TEMPERATURE:

41°F to 122°F (5°C to 50°C)