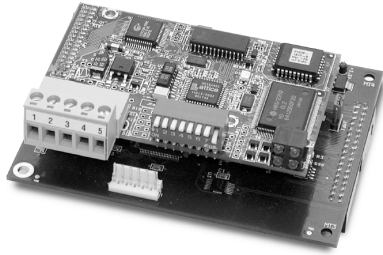


## DeviceNet™ Interface



### 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

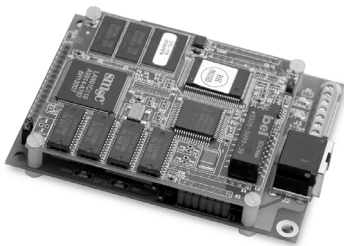
#### OPERATING TEMPERATURE:

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)