

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

FIELD BUS INTERFACE:

Pluggable screw connector

OPERATING TEMPERATURE:

14°F to 104°F (-10°C to 40°C)

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

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 RJ-45 connector or terminal strip (920i)
- 10 megabyte through RJ-45 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: RJ-45 (10BASE-T) or AUI (transformer and resistors/capacitors required)

SERIAL INTERFACE:

2 TTL serial interfaces

Reset line

RxD/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)