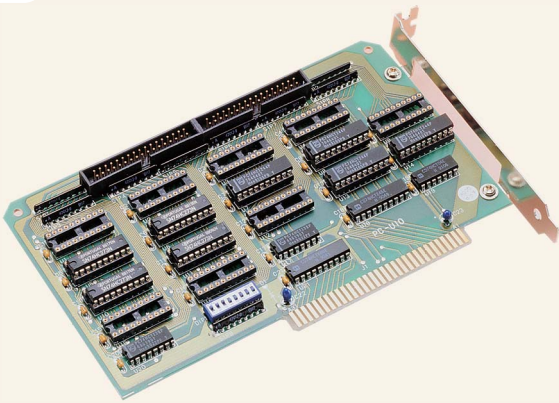


AR-B2201B · AR-B9012

Industrial I/O Card



AR-B2201B
TTL Digital, Input/Output Card



AR-B9012
Isolated 422/485 Communication Card

AR-B2201B

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|-----------------------|---|
| General: | |
| I/O Channel | 64TTL input/output line (8 port) |
| Input Buffer | 74HCT244 with 4.7K Ohm pull up resistors |
| Output Driver | 74HCT273, Maximum sink current - 24mA, Maximum source current - 16mA |
| I/O addresses | Base port switch selectable from 0 to 3F8 hex with increments of 8 |
| Power Consumption | +5VDC @ 120mA maximum (all output is low) |
| Dimension | 175mm x 109mm |
| Operating Temperature | 0~50°C(32~122°F) |
| Storage Temperature | -20~70°C(-4~158°F) |
| Operating Humidity | 0% ~ 90% Relative humidity non-condensing |
| Applications | <ol style="list-style-type: none"> 1. Interfacing with parallel I/O device 2. Factory monitoring and control 3. TTL signal or switch status sensing 4. Light indications and digital output control |

Packing list:

| | |
|----------|----------------------|
| Part No. | Utility Disk, Manual |
|----------|----------------------|

Ordering Information

Standard:

| | |
|-----------|-------------------------------|
| AR-B2201B | TTL Digital Input/Output Card |
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Optional:

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| AR-B9006 | Terminal Board for AR-B2201B |
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AR-B9012

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|----------------------------|---|
| General: | |
| Interface Type | RS-422A or RS-485 |
| Number of Ports Per Card | 2 |
| Maximum Transfer Distance | 4000ft. |
| Baud Rate | 50 to 115.2K |
| Parity | none, even, odd, mask or space |
| Data Bits | 5, 6, 7 or 8 bits |
| Stop Bits | 1, 1.5 or 2 bits |
| Port Signal | TXD, RXD, CTS and RTS |
| Connector | D-type, 9 pin, female |
| UART | 16C550 |
| Output Driver | SN75175 or SN75173 |
| Input Driver | SN75174 or SN75172 |
| Input Resistance | RS-422 4K ohm; RS-485 12K ohm |
| Termination Resistor | 120 ohm |
| Signal Isolator | PC900 for TXD and RXD, 4N35 for CTS and RTS, 5000Vrms isolation |
| Power Isolator | DC to DC converter, 500 VDC isolation |
| Bus Type | 8 bit ISA bus (If only first 4 IRQ used) 16 bit ISA bus (If 8 IRQ used) |
| Interrupt Channel | IRQ 2(9), 3, 4, 5, 10, 11, 12 and 15 |
| Power Requirement | 5VDC/250mA |
| Physical and Environmental | Operating Temperature : 0~60°C(32~140°F) Storage Temperature : -28~85°C(-18.4~185°F) Operating Humidity : 0% to 95%, non-condensing |
| Dimension | 175mm x 107mm |

Packing List:

| | |
|----------|----------------------|
| Part No. | Utility Disk, Manual |
|----------|----------------------|

Ordering Information

Standard:

| | |
|----------|-------------------------------------|
| AR-B9012 | Isolated 422/485 Communication Card |
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Specifications are subject to change without notice.