

PC104-3126 24 DIO/3 Counter/Timer Card



General specifications

- 82C54 or equivalent IC
- TTL, DTL, CMOS compatible Input/Output level
- 3 or 6 channels independent 16-bit counter
- DC to 10MHz frequency range
- 6 programmable mode
- **24 Bits digital I/O lines:** Simulate 8255 PPI made 0
- Power consumption +5v only
- Buffered circuits for higher driving capacity than 8255
- Bit 0 of port C can generate an interrupt to IRQ 2,3,4,5,6,7
- Interrupt triggering rising/falling edge
- Output status readback
- Pin compatible with OPTO-22 I/O module racks
- Transfer rate max 400KB/sec
- **Digital output :** Logic level 0 : 0.5V
- **Logic level 1 :** 2.0V
max@24mA min@15mA
- **Digital input:** Logic level 0 : 0.8V max
- **Logic level 1 :** 2.0V min

PC104-3128 8-channel Relay Actuator Card



General specifications

- **Number of Channel:** 8 red LEDs & 8 relays
- **Indication Node:** Logic "1": LED light and relay set Logic "0": LED dark and relay reset
- **Relay Type:** Electromechanical DIP relay (DPDT)
- **Output Type:** NO, NC and Common
- **Contact Rating:** Maximum switch power \cong 30W/60VA
- **Maximum switch voltage** \cong 125VDC, 125V peak AC
- **Maximum switch current** \cong 1.5ADC or 1.5A peak AC
- **Contact Resistance:** 100m Ω max
- **Life Expectancy:** 10 x 10⁶ operation
- **Operate/Release Time:** 8/8 ms
- **Breakdown Voltage:** Coil to Contact: 1500 Vrms, Across Contact: 1000 Vrms
- **+5DCV:** 200mA
- **+12DCV:** 100mA
- **Dimensions:** 95 x 90mm

PC104-3127 5/10 Ch. Counter/Timer Card



General specifications

- 5/10 independent 16-bit counters up to 7MHz count frequency
- Up/Down and BCD/Binary counting
- Complex duty cycle waveform outputs
- Alarm comparators on counter 1 and 2
- One shot or continuous output
- Selectable interrupt input channel
- Programmable Count/Gate selection, input/output polarity, gating functions
- Internal 1MHz frequency
- Counter/Timer input protection(+12V)
- Adjustable input threshold for SREC & GATE input
- **Base Frequency:** Hardware-select for 1MHz(1s interval), 2MHz(500ns interval), or 4MHz (250ns interval) OSC
- **Scale Values:** Base frequency can be divided by 1, 10, 100,1000 (BCD); or 1, 16, 256, 4096, or 65535 (binary)
- Preset V = 1.5V

PC104-3149 48-bit Digital I/O Card



General specifications

- 48 Bits digital I/O lines (2 groups)
- 8255 PPI made 0 x 2
- **Power requirement:**+5v only
- Pin-compatible with Opto-22 I/O module
- Output status readback
- **Interrupt options:**Jumper selectable to level 5,9,10,11,12,15
- Transfer rate max 400KB/sec
- **Digital output :** Logic level 0 : 0.5V max@24mA Logic level 1 : 2.0V min@15mA
- **Digital input :** Logic level 0 : 0.8V max Logic level 1 : 2.0V min