

# CANpro/104-Plus Opto

Controller Area Network

## CANpro/104-Plus Opto

### Features

- PCI-104 2.2 compliant, two port CAN controller card featuring two independent SJA1000 controllers
- 16MHz CAN clock
- 3kV optical isolation for each CAN port from the host system
- Memory mapped addressing (no jumpers required) to save your system's valuable I/O space
- Output slew rate limiting for lower radiated emissions
- On-board CAN bus termination
- High input impedance transceivers support over 110 nodes on the bus
- Decoded address range is configurable for BasicCAN or PeliCAN modes
- Operating temperature range of -40°C to 85°C
- RoHS compliant

### Specifications

<b>Number of Ports</b>	2 ports
<b>CAN Controllers</b>	Two CAN 2.0B compliant SJA1000 controllers
<b>I/O Connectors</b>	<b>standard:</b> 2 x 10 pin headers <b>optional:</b> DB-9
<b>GPIO</b>	8-bit 3.3V I/O header
<b>I/O Power Output</b>	125mA per port
<b>CAN Controller Clock</b>	16MHz
<b>PCI Interface</b>	PLX 9030
<b>Optical/Power Isolation</b>	3kV for each CAN port from the host system
<b>Decoded Address Range</b>	Each SJA1000 will have a register space of: <b>BasicCAN:</b> Full 32 byte <b>PeliCAN:</b> Full 128 byte
<b>Dimensions</b>	Fully PCI-104 compliant
<b>Environmental</b>	Operating Temperature: -40° C to 85° C (-40° F to 185° F) Storage Temperature: -40° C to 125° C (-40° F to 257° F) Humidity: 95% non-condensing
<b>Bus Interface</b>	PC/104-Plus (PCI-104 optional)
<b>Software Compatibility</b>	Contact Connect Tech for the most current list
<b>CAN Transceivers</b>	Support 1.0 Mbps operation and more than 110 nodes on the bus
<b>System Requirements</b>	+5V DC 500mA (max.) Power on CAN connectors may draw up to an additional 1A



CANpro/104-Plus Opto offers two powerful NXP SJA1000 CAN controllers and 3kV optical isolation to provide maximum protection for your industrial control applications.

An extension of Connect Tech's current CAN controller product line, CANpro/104-Plus Opto is based on a PC/104-Plus bus. The design frees up valuable I/O space offering you greater flexibility within your embedded system. For even more I/O, CANpro/104-Plus Opto includes an 8-bit GPIO header.

Dependability, high data rates, network control capabilities and 3kV optical isolation protection make CANpro/104-Plus Opto the ideal choice for industrial control applications that are exposed to harsh conditions or environments. Lifetime warranty and free technical support is included.



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