

CANpro/104 Opto

Controller Area Network

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Features

- PC/104 compliant, two port CAN controller card featuring two independent SJA1000 controllers
- Memory or I/O space mappable with software controlled memory space enable (using a single byte I/O address)
- 16MHz CAN clock
- 3kV optical isolation for each CAN port from the host system
- Jumper configurable:
 - address range and base address
 - interrupt selection and interrupt sharing
 - CAN bus termination
- Decoded address range configurable for BasicCAN or PeliCAN modes to prevent wasted address space (in I/O mode only)
- Operating temperature range of -40°C to 85°C
- RoHS compliant



Specifications

Number of Ports	2 ports
CAN Controllers	Two CAN 2.0B compliant SJA1000 controllers
I/O Connectors	standard: 10-pin, right angled header (+5V power output) optional: DB-9
I/O Connector Power Output	125mA
CAN Controller Clock	16MHz
Optical/Power Isolation	3kV for each CAN port from the host system
Decoded Base Address & Size	Memory: 0x00000 to 0xCFE00; 8192 byte size I/O (PeliCAN): 0x000 to 0x700; 256 byte size I/O (BasicCAN): 0x000 to 0x7C0; 64 byte size
Dimensions	Fully PC/104 compliant
Environmental	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
Bus	PC/104
Software Compatibility	Linux 2.6, QNX 6. Please contact Connect Tech for the most current list.  
CAN Transceivers	Support 1.0 Mbps operation
System Requirements	+5V DC 500mA (max.) Power on CAN connectors may draw up to an additional 125mA

Connect Tech's CANpro/104 Opto combines the power of two NXP SJA1000 CAN controllers with the compact size and rugged stability of PC/104.

CANpro/104 Opto cards feature fail-safe power-up/power-down and on-board high input impedance transceivers to maximize nodes on the bus. 3kV of isolation ensure your data is protected from disruptions that can occur with exposure to harsh conditions or environments.

Dependability, high data rates and network control capabilities make CANpro/104 Opto cards ideal for industrial control applications.

Lifetime warranty and free technical support is also included.



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