

CAN Interface Card
for PCI 2.2

Features

- CAN 2.0A and 2.0B
- 2-Channels
- Micro-controller
- Up to 1 Mbit/sec
- ISO 11898 transceivers

Computer Interface

- PCI slot, Rev 2.2
- Fast dual-port RAM
- 3.3 or 5 V

Agency Approvals

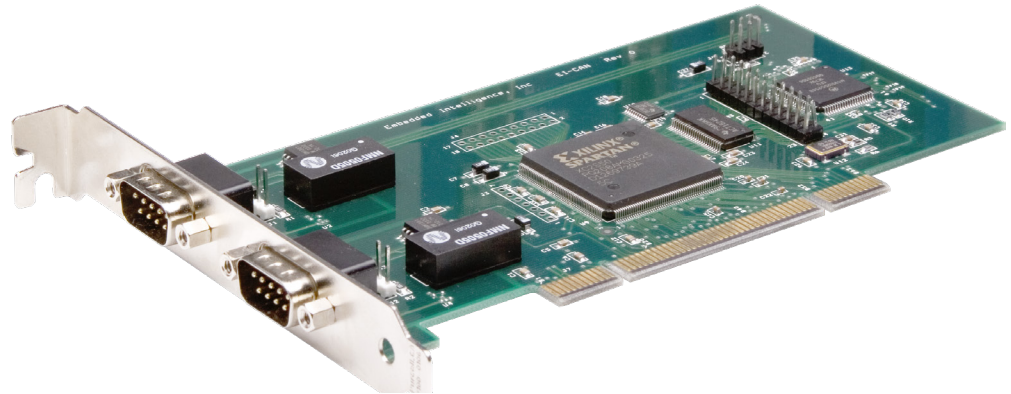
- CE, UL/CSA, FCC
- RoHS 2002/95/EC

CAN Monitor Software

- View CAN messages
- CAN bus loading
- Diagnostics
- Download firmware

Plug-and-play

- CML & CMO
- Xenus
- Accelnet
- Stepnet



DESCRIPTION

A highly cost-effective dual-channel CAN card makes the connection between Copley’s distributed control software and CANopen servo and stepper drives. The two independent CAN ports are galvanically isolated to provide greater noise immunity in industrial environments. An on-board microcontroller off-loads tasks from the host computer enabling faster system performance. PCI compliant, it is compatible with both 3.3 Vdc and 5 Vdc computers.

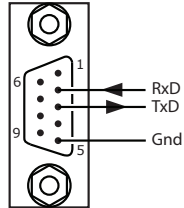
The card employs high-speed ISO 11898 transceiver circuits for CAN bus bit-rates up to 1 Mbit/sec. Driver software for Windows is a free download from the Copley web-site. CMO (Copley Motion Objects) software, also available free on the web, works with Microsoft COM enabled computers for control of Copley’s CANopen servo amplifiers and stepper drivers from high-level languages such as Visual Basic.

ORDERING GUIDE

PART NUMBER	DESCRIPTION
CAN-PCI-02	Dual-channel CAN interface card for PCI 2.2 sockets

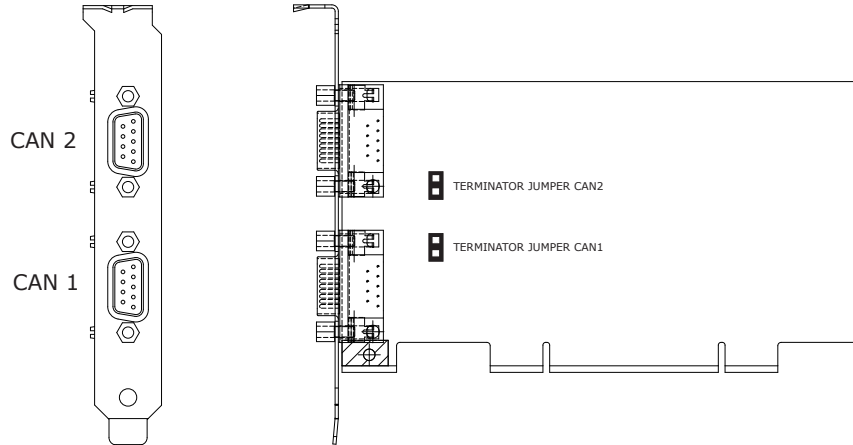
CONNECTOR

SUB-D 9M



D-Sub 9M (DTE)

MECHANICAL OUTLINE



SIGNALS & PINS

PIN	SIGNAL
1	N.C.
2	CAN_L
3	CAN_GND
4	N.C.
5	(CAN_SHLD)
6	(GND)
7	CAN_H
8	N.C.
9	(CAN_V+)

SPECIFICATIONS

Hardware requirements	IBM PC or equivalent with PCI slot
PCI Interface	32-bit, 3.3 & 5 V compatible, version 2.2
OS requirements	Windows®, Linux™
CAN channels	2, independent, galvanically isolated
CAN termination	121Ω each channel, jumper selectable
CAN transceivers	Philips TJA1050TD (ISO 11898 compliant)
CAN bit rate	1 Mbit/sec maximum
CAN connector	Sub-D 9M, CAN DS-102 compliant
Timestamp resolution	1 μs
Operating temperature	-10° to +70° C
Storage temperature	-40° to +85 C
Dimensions	5.6 x 3.15 [142 x 80] in [mm]

SOFTWARE

Software, firmware, and drivers listed below are on the Copley Controls web-site:

<https://www.copleycontrols.com/products/can-pci-02>

- CAN-PCIe-01, CAN-PCIe-02 User Guide
- CANview for Windows
- CANview for Linux
- API for Windows & Linux
- Firmware
- Drivers for Windows & Linux

16-118683 Document Revision History

Revision	Date	Remarks
00	May 2, 2018	Initial released version