



DESCRIPTION

CAN board meets the physical and electrical requirements for in vehicle automotive networks based on CAN. With a desktop, industrial, or notebook PC running Windows it can be used for a variety of CAN applications, including automotive testing and diagnostics, prototype design, factory automation, and machine control.

Due to its microprocessor, CAN board uses handle communications directly on the interface device. It provides a dedicated environment for reliable, high-performance CAN communications protocol stack execution. Because acquisition and transmission timing occur on the board, CAN frames are not lost due to OS activity such as hard drive access, mouse movements, or virus scans.

High-speed CAN interfaces can communicate with devices using transfer rates up to 1 Mb/s. Synchronization is available for PXI, PCI, and PCMCIA-CAN devices.

KEY FEATURES

- Hardware timing and synchronization with data acquisition, vision, and motion devices
- 100% bus load; for up to 1 Mb/s
- ISO 11898-compliant for standard (11-bit) and extended (29-bit) arbitration IDs
- Available in high-speed, low-speed/fault-tolerant, and single-wire versions
- Hardware time-stamping
- Optical isolation up to 500 V
- Magali Driver interface

SPECIFICATIONS

Technical Data

High Speed CAN	Communication with devices using transfer rates up to 1Mb/s (1 or 2 channels).
Low Speed/ fault Tolerant CAN	Communication with devices using transfer rates up to 125 kb/s (1 or 2 channels)
Single Wire CAN	Communication with devices at rates up to 33.3 kb/s (88.3 kb/s in high-speed mode), (1 or 2 channels)
Software-Selectable CAN	Configurable for high-speed, low-speed/fault-tolerant, or single-wire CAN
Arbitration IDs	Standard : 11-bit, Extended :29-bit
Operating Systems	Windows 2000/NT/XP/Me/98, LabVIEW Real-Time
Compatible software	LabVIEW, LabWindows/CVI, C/C++, Visual Basic 6
Application Software (included)	Bus monitor utility

Physical

Dimensions	PCI : 20.7 by 11.18 cm, PXI : 16.0 by 10.0 cm, PCMCIA : Type II PC Card
I/O Connections	PCI and PXI : DB9 male per channel, PCMCIA : DB9 male and Combicon-style pluggable screw terminals

Operating Environment

Ambient temperature	0 to 55 °C
Relative humidity	5 to 95%, non-condensing

Noise Emission

PCI, PXI, and PCMCIA	FCC Class A Verified
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ORDERING INFORMATION

MAG-300/A_CA/1

1 channel interface High Speed CAN - Low Speed/ fault Tolerant CAN - Single Wire CAN

MAG-300/A_CA/2

2 channels High Speed CAN - Low Speed/ fault Tolerant CAN - Single Wire CAN

*Specifications are subject to change.
Please, verify the latest specifications
prior order.*

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