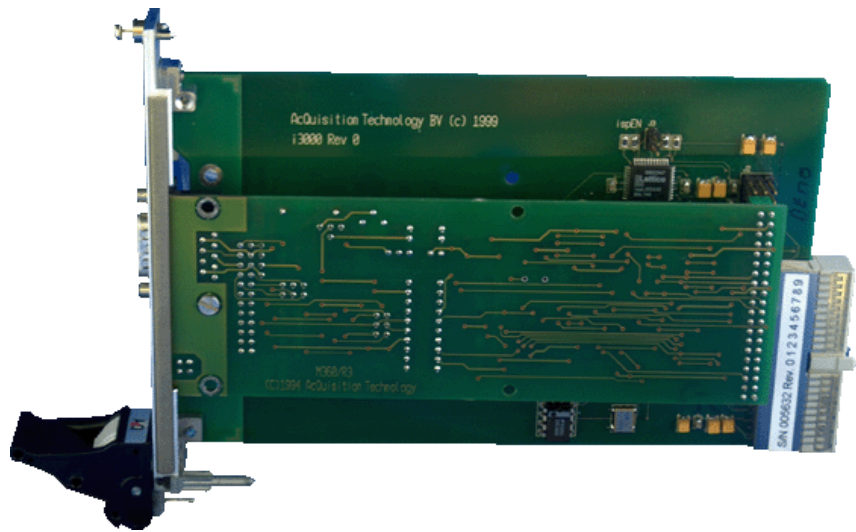


## CPCI360

# CANbus Controller



The CPCI360 CANbus controller is a 3U CompactPCI card based on the SJA1000. The SJA1000 provides an interface to the popular CANbus that supports both standard (11-bit) and extended (29-bit) identifier messages. Front LEDs provide diagnostic information. The CAN network is a serial communication protocol which efficiently supports distributed control with a high level of reliability.

This CompactPCI card is available in a 3U and a 6U form factor.

### Features:

- > Multi-master architecture on the CAN network
- > CAN access priority determined by message identifier
- > Programmable network clock frequency
- > Data rate up to 1 Mbps
- > Status indication by two LEDs at front
- > Transmit and receive FIFO buffer
- > Full interrupt capabilities
- > High-speed isolated ISO11898 compliant transceiver
- > TTL level signals Tx0, Tx1, Rx0 and Rx1 available on output for custom physical network interface
- > Supports both 11-bit and 29-bit identifier fields

**Controller**

- \* SJA1000 supports CANbus rev. 2.0a (11-bit identifier) and rev. 2.0b (29-bit identifier).
- \* In rev. 2.0a mode, SJA1000 is software compatible to the PCA82C200.

**Media Interfacing**

- \* Signal available at front in the following formats:
- \* ISO11898 standard using the PCA82C250T transceiver
- \* RS485
- \* TTL

**Network Monitoring**

- \* Front LEDs provide diagnostic and status monitoring capabilities.

**PCI Interface**

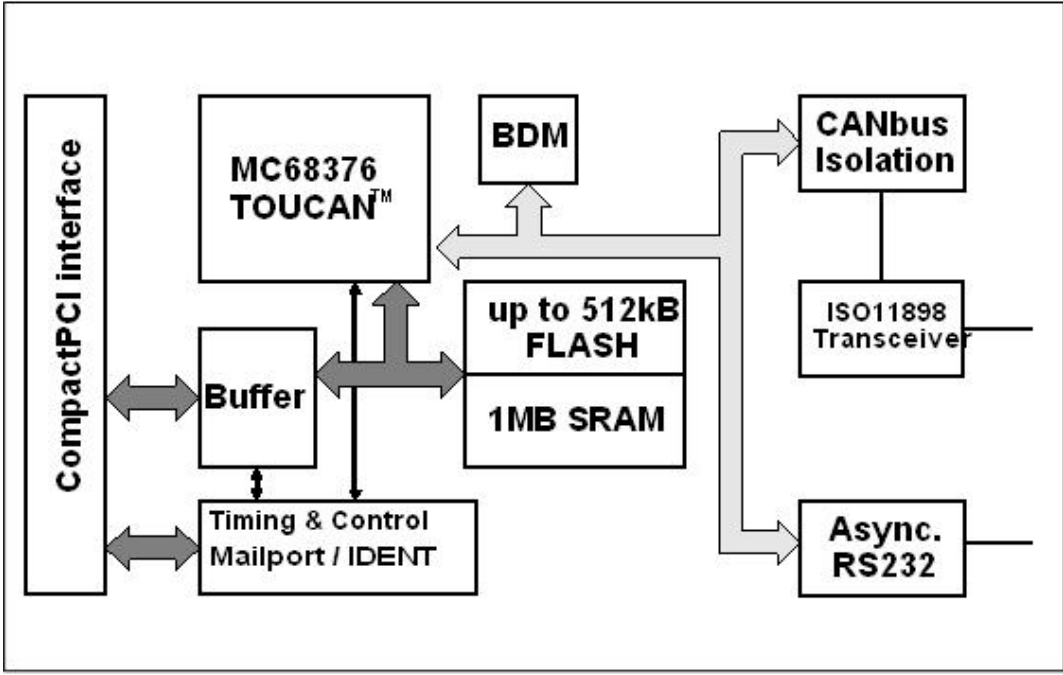
- \* The CPC1360 has a PCI Specification 2.1 compliant target interface and uses a PCI9050 PCI Bus Target Interface Chip by PLX Technology Inc.

**Ordering Information**

- \* **CPCI360/T01** 3U CANbus controller
- \* **CPCI4360/T01** 6U CANbus controller
- \* **CPCI(4)360/SW** APIS based software
- \* **CPCI(4)360/MAN** manual on paper

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