



M360 CAN bus Controller M Module

The M360 CAN bus Controller is an integrated standalone controller for the Controller Area Network (CAN) with an M Module interface. CAN is used within the automotive and general industrial environments. The M360 contains all necessary hardware for high performance serial network communications. It performs all the functions of the physical and data link layers.

Specifications:

Serial Port Characteristics:

Data Rates: Up to 1 Mbps
Clock Frequency: Programmable
Identifier Fields: Standard (11 bit)
and Extended (29 bit) supported
CAN access priority: Determined
by message identifier

I/O Buffer Memory:

TX: 64 bytes (2 CAN messages)
RX 10 bytes

Connectors: 9 pin DSUB
(Female)

Temperature:

Operating: 0°C to 60°C
Storage: -20°C to 70°C

Power: +5V @ 0.175 A

Transceiver Characteristics:

Type: PCA82C250T
TTL signals: TX0
(on I/O connector) TX1
RX0
RX1

Controller: SJA1000

CANbus support: Rev. 2.0a
Rev. 2.0b

Front Panel Indicators:

Two LEDs: User Programmable
Status

Full Interrupt Capabilities

Isolation: Opto-isolation
devices ship with M360

M Module Compliance

Complies with ANSI/VITA Std 12-1996 for single-wide M Modules.

Data Transfers 16 bit

Interrupts INTA

IDENT Implemented

Compatible with VXI, VME, PCI,
PXI, CPCI & Ethernet Carriers

Applications

- Automotive CAN interfacing
- Industrial Control

Ordering Information

Part Number 11029690-0001

Additional Information

User Manuals for C&H carriers and this module can be found on our website at www.chtech.com.