

CAN

CAN-104

Active CAN/ CANopen
Interface for PC/104
Sockets



FEATURES

PC/104 Interface

- 16 bit PC/104 interface, IEEE-P966
- 4 kB addresses in lower 1 MB memory space
- No resources in I/O space needed
- One interrupt IRQ 3 ~ 15, user selectable via jumper

CAN / CANopen

- MC68332 processing unit with 20 MHz
- 256 kB SRAM, 16 bit wide
- 64 kB dual-port RAM, 16 bit wide
- 128 kB Flash EPROM, 16 wide
- Up to 2 CAN interfaces with SJA1000 CAN controllers
- 11 bit ID and 29 bit ID CAN specifications supported
- 9-pin D-SUB connector for each CAN interface
- On-board line termination 120 Ω ; enabled by jumper or software
- 2 x diagnostic LEDs (green/yellow) per interface

Physical

- Power requirements +5 V (± 5 %), max. 140 mA
- Operating temperature range 0 ... 70 °C
- Non-operating temperature range -20 °C ... 80 °C
- Humidity 0 ... 80 %, non-condensing
- Dimensions (w x d) 90 x 95 mm, like PC/104 specification
- Weight approx. 100 g

Options

- Opto-isolated CAN, 500 V isolation barrier
- IDC header for CAN (instead of DSUB)
- Ext. operating temperature range -40 °C...85 °C

Supported Operating Systems

- Windows, Windows CE, Linux, QNX, VxWorks