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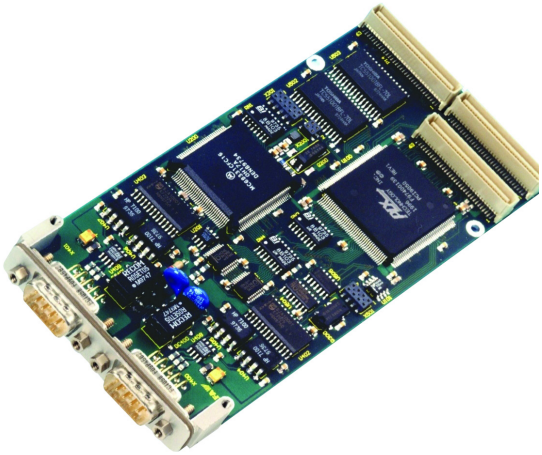
esd electronics, inc.

HARDWARE • SOFTWARE • ENGINEERING

PMC-CAN/331

Intelligent PMC-CAN-Interface



PMC-CAN/331

- PMC module with one or two independent CAN nets
- Microcontroller 68331 on board

Powerful CAN Interfaces on PMC Module

The module PMC-CAN/331 uses a 68331 microcontroller that cares for the local CAN-data management. The CAN data is stored in the local SRAM with guaranteed security and consistency of data to 1 Mbit/s.

CAN Interface

The fully ISO 11898 compliant CAN interfaces allow a data transfer rate of 1 Mbit/s. The CAN interfaces are electrically isolated with optocouplers and DC/DC converters.

Software Support

The board ships with software examples in source code for DOC and Windows 3.11. There are software drivers available for Windows, Linux, VxWorks, LynxOS, RTOS-UH and other operating systems.

CAN Protocols

esd has software packages for CAL, CANopen or DeviceNet available for Windows NT, Windows 95/98 or UNIX systems.

For further information please visit
http://www.esd-electronics-usa.com/PMC.html

growing with the
challenge

Phone: 800-732-8006 • Fax: 800-732-8093 • Web: http://www.esd-electronics.us • Email: us-sales@esd-electronics.com

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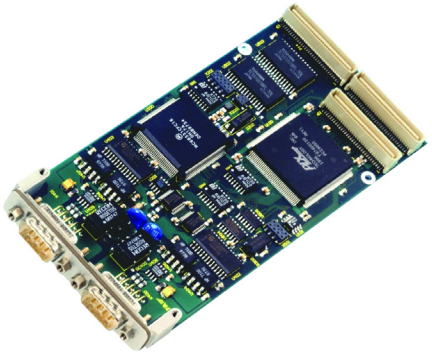

PMC-CAN/331

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Technical Specifications

PMC interface and microcontroller	
PCI Bridge	PCI9052
Microcontroller	68331
Memory Equipped	128k x 16-bit SRAM, 128k x 8-bit Flash EPROM
CAN bus	
CAN controller	SJA 1000, CAN 2.0 A/B
CAN interface	Differential, electrically isolated, 1 Mbit/s, ISO11898, opt. DeviceNet
General	
Ambient temperature	0…50o C
Supply voltage	5 VDC
Connectors	PMC – 2x 64-pole PMC connectors, CAN – 2x 9-pole DSUB (male)

Order information

Designation		order no.
PMC-CAN/331-1	1x CAN, ISO 11898	C.2025.02
PMC-CAN/331-2	2x CAN, ISO 11898	C.2025.04
PMC-CAN/331-1DN	1x DeviceNet	C.2029.02
PMC-CAN/331-2DN	2x DeviceNet	C.2029.04
Licenses		
CAN-DRV-LCD	Object license CD-ROM for Windows & Linux	C.1101.02
PMC-CAN/331-VxW	VxWorks Object license	C.2025.57
PMC-CAN/331-Co	CANopen master/slave object license	C.2025.12
PMC-CAN/331-LynxOS-PPC	LynxOS object license for PowerPC systems	C.2025.53
PMC-CAN/331-LynxOS-X86	LynxOS object license for X86 systems	C.2025.59
PMC-CAN/331-RTOS/69k	RTOS-UH object license for 68k systems	C.2025.55
PMC-CAN/331-RTOS/PPC	RTOS-UH object license for PowerPC systems	C.2025.54
Manuals		
PMC-CAN/331-ME	Hardware manual	C.2025.21
CAN-API-ME	Software manual	C.2001.21
CAL-CANopen-ME	CANopen manual	C.2002.21

esd electronics, Inc.
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Fax: 800-732-8093
Web: http://www.esd-electronics.us
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