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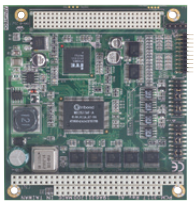
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PC/104 Datacom Modules



PCM-3117

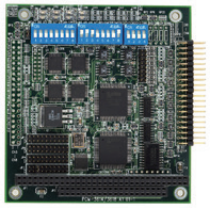
PCI to ISA Bridge Module

Specifications

General	
Bus Interface	PC/104-Plus
Controller	ITE IT8888F
Bus	PC/104 (ISA) and PC/104+ (PCI)
Mechanical and Environmental	
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
Weight	0.092 kg (0.203 lb)
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Storage Temperature	-40 ~ 85° C (-40 ~ 18° F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Power	
Power Supply Voltage	+5 V, ±5 % tolerance on power supply
Power Consumption	+5 V @ 70 mA (typical)

Ordering Information

P/N	Description
PCM-3117-00A1E	PCI to ISA bridge module



PCM-3614/3618

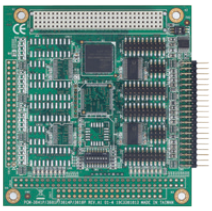
4/8-Port RS-422/485 High-speed PC/104 Module

Specifications

General	
Connectors	PC/104
Ports	PCM-3614:4 ; PCM-3618:8
Power Consumption	PCM-3614: +5 V @ 450 mA PCM-3618: +5V @ 650 mA
Communications	
Data Bits	5, 6, 7, 8
Data Signals	RS-422: TxD+, TxD-, RxD+, RxD-, CTS+, CTS-, RTS+ and RTSRS-(RTS- for PCM-3614) 485: DATA+, DATA-, CTS+, CTS-
IRQ	3, 4, 5, 6, 7, 9, 10, 11, 12, 15
Parity	None, Even and Odd
Speed	50 bps ~ 921.6 kbps
Stop Bits	1, 1.5, 2
Protection	
EFT Protection	1,000 V_{DC}
Mechanical and Environmental	
Operating Humidity	0 ~ 90 % RH
Operating Temperature	0 ~ 65°C (32 ~ 149°F) (IEC-68-1-1, 2)
Storage Temperature	-25 ~ 80°C (-13 ~ 176°F)
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")

Ordering Information

P/N	Description
PCM-3614-AE	4-port RS-422/485 High-Speed Module
PCM-3618-AE	8-port RS-422/485 High-Speed Module



PCM-3614I/3618I

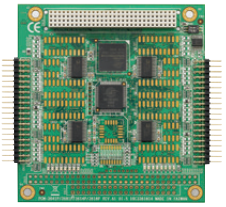
4/8-Port RS-232/422/485 PCI-104 Modules

Specifications

General	
Connectors	PCM-3614I: 1 x 40-pin box header, PCM-3618I: 2 x 40-pin box header
Ports	PCM-3614I: 4, PCM-3618I: 8
Power Consumption	+5 V @ 450 mA
Communications	
Data Bits	5, 6, 7, 8
Data Signals	RS-422: TxD+, TxD-, RxD+, RxD-, CTS+, CTS-, RTS+, RTS- RS-485: DATA+, DATA-, GND RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
IRQ	3, 4, 5, 6, 7, 9, 10, 11, 12, 15
Parity	None, even and odd
Speed	50 bps ~ 921.6 kbps
Stop Bits	1, 1.5, 2
Protection	
EFT Protection	1,000 V_{DC}
Mechanical and Environmental	
Operating Humidity	0 ~ 90 % RH
Operating Temperature	0 ~ 65° C (32 ~ 149° F)
Storage Temperature	-25 ~ 80° C (-13 ~ 176° F)
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")

Ordering Information

P/N	Description
PCM-3614I-AE	4-port RS-232/422/485 PCI-104 Module
PCM-3618I-AE	8-port RS-232/422/485 PCI-104 Module



PCM-3641I/3642I

4/8-Port RS-232 PCI-104 Modules

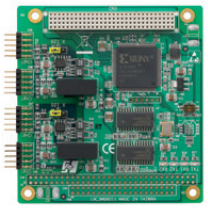
Specifications

General	
Connectors	PCM-3641I: 1 x 40-pin box header, PCM-3642I: 2 x 40-pin box header
Ports	PCM-3641I: 4, PCM-3642I: 8
Power Consumption	+5 V @ 250 mA (max.)
Communications	
Data Bits	5, 6, 7, 8
Data Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
IRQ	3, 4, 5, 6, 7, 9, 10, 11, 12, 15
Parity	None, even and odd
Speed	50 bps ~ 460.3 kbps
Stop Bits	1, 1.5, 2
Protection	
EFT Protection	1,000 V_{DC}
Mechanical and Environmental	
Operating Humidity	0 ~ 90 % RH
Operating Temperature	0 ~ 65° C (32 ~ 149° F) (IEC-68-1-1, 2)
Storage Temperature	-25 ~ 80° C (-13 ~ 176° F)
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")

Ordering Information

P/N	Description
PCM-3641I-AE	4-port RS-232 PCI-104 Module
PCM-3642I-AE	8-port RS-232 PCI-104 Module

All product specifications are subject to change without notice



PCM-3680/I

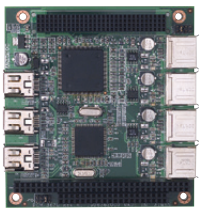
2-Port CAN-bus PC/104 / PCI-104 Module with Isolation Protection

Specifications

General	
Card Interface	PCM-3680: PC/104 PCM-3680I: PCI-104
Certifications	CE, FCC
Connectors	2 x DB9-M with cable
Dimensions	90 x 96 mm (3.6" x 3.8")
Ports	2
Power Consumption	5 V @ 400 mA
Communications	
CAN Controller	SJA-1000
CAN Transceiver	82C250
Protocol	CAN2.0 A/B
Speed	Up to 1 Mbps programmable transfer rate
CAN Frequency	16 MHz
Signal Support	CAN_H, CAN_L
Protection	
Isolation Protection	2,500 V_{DC}
Environment	
Operating Temperature	-40 ~ 85° C (-40 ~ 185° F)

Ordering Information

P/N	Description
PCM-3680-BE	Dual-port Iso CAN-bus PC/104 Module
PCM-3680I-AE	Dual-port Iso CAN-bus PCI-104 Module



PCM-3620

USB 2.0/IEEE 1394a PC/104-Plus Module

Specifications

General	
Bus Interface	PC/104-Plus (PCI interface only)
Chipset	NEC® uPD720101 and TI TSB43AB23
USB	4 x USB 2.0 Compliant Ports Compliant with OHCI USB Rev 1.0a Compliant with EHCI for USB Rev 1.0 High-speed (480 Mbps), full-speed (12 Mbps) and low-speed (1.5 Mbps) transfer
IEEE 1394a	3 port compliant with 1394 Open Host Controller Interface Specification (Release 1.1)
Mechanical and Environmental	
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
Weight	0.81 kg (0.18 lb)
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Power	
Power Supply Voltage	+5 V , +12 V

Ordering Information

P/N	Description
PCM-3620-00A1E	4 x USB 2.0 and 3 IEEE 1394a PC/104-Plus Module
PCM-3620P-00A1E	4 x USB 2.0 & 3 IEEE 1394a w/pinhead PC/104-Plus module



PCM-3643

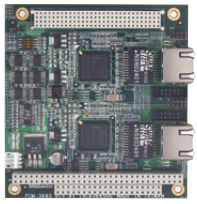
4/8 RS-232 COM Port Module

Specifications

General	
Bus Interface	PC/104 (ISA)
Chipset	Standard 16550, 16650, or 16750 compatible chipsets for serial ports
Channel	4/8 port RS-232 support
Baud Rate	50 ~ 115, 200 bps
Data Bits	5, 6, 7 or 8-bits
Stop Bit	1, 1.5, or 2
Parity	Even, odd, or none
Interrupt Level	IRQ 3, 4, 5, 6, 7, 9, 10, 11, 12 or 15
I/O Connector	40-pin header
Mechanical and Environmental	
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
Weight	0.084 kg (0.185 lb)
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Storage Temperature	-40 ~ 85° C (-10 ~ 185° F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Power	
Power Supply Voltage	+5 V, ± 5 % tolerance on power supply
Power Consumption	+5 V @ 400 mA (typical)

Ordering Information

P/N	Description
PCM-3643-08A1E	8 x COM RS-232 Port Module



PCM-3665

Dual GbE Module

Specifications

General	
Bus Interface	PC/104-Plus (PCI interface only)
Chipset	Intel® 82541PI (PCI 10/100/1000 Mbps)
Port	Single/Twin Ethernet port
Speed	10/100/1000 Mbps
Compatibility	PCI version 2.2, 33 MHz PCI
Mechanical and Environmental	
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
Weight	0.09 kg (0.198 lb)
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Storage Temperature	-40 ~ 85° C (-10 ~ 185° F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Power	
Power Consumption	Dual LAN: +5 V @ 1.2 A (typical) Single LAN: +5 V @ 0.6 A (typical)
Power Supply Voltage	+5 V, ±5 % tolerance on power supply

Ordering Information

P/N	Description
PCM-3665-00A1E	Dual GbE with RJ-45 connector Module
PCM-3665P-00A1E	Dual GbE w/o RJ-45 connector Module
PCM-3665-01A1E	Single GbE w/o RJ-45 connector Module

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