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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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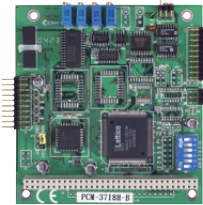
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



PC/104 I/O & Power Modules



PCM-3718H/HG/HO

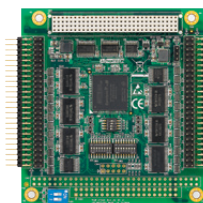
100 kS/s, 12-bit, 16-Ch PC/104 Multi-function Modules

Specifications

Analog Input	
Channels	16 single-ended / 8 differential
Resolution	12 bits
Max. Sampling Rate	100 KHz* (DMA transfer), *80 kHz on P4-based (or better)
Input Impedance	10 M Ω
Input Range	
PCM-3718H and PCM-3718HO	Bipolar: $\pm 10, \pm 5, \pm 2.5, \pm 1.25, \pm 0.625$ Unipolar: 0 ~ 10, 0 ~ 5, 0 ~ 2.5, 0 ~ 1.25
PCM-3718HG	Bipolar: $\pm 10, \pm 5, \pm 1, \pm 0.5, \pm 0.1, \pm 0.05, \pm 0.01, \pm 0.005$ Unipolar: 0 ~ 10, 0 ~ 1, 0 ~ 0.1, 0 ~ 0.01
Analog Output (PCM-3718HO only)	
Channels	1 (12 bits)
Output Rate	Static update
Output Range	Internal Reference Unipolar (V): 0 ~ 5, 0 ~ 10 External Reference (V) 0 ~ 10, 0 ~ -10
Output Impedance	0.1 W max.
Digital Input/Output	
Channels	16, 5V/TTL
General	
I/O Connectors	2 x 20-pin box header
Power Consumption	Typical: 5 V @ 180 mA; Max.: 5 V @ 400 mA
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")

Ordering Information

P/N	Description
PCM-3718H-CE	100 kS/s, 12-bit Multi. PC/104 Module
PCM-3718HG-CE	100 kS/s, 12-bit High-gain Multi. PC/104 Module
PCM-3718HO-BE	100 kS/s, 12-bit Multi. PC/104 Module w/AO



PCM-3753I

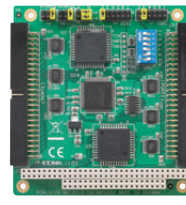
96-Ch Digital I/O PCI-104 Module

Specifications

Digital Input/Output	
Channels	96 (bi-directional)
Compatibility	5 V/TTL
Input Voltage	Logic 0: 0.8 V max. Logic 1: 2.0 V min.
Output Voltage	Logic 0: 0.4 V max. Logic 1: 2.4 V min.
Output Capability	Sink: 0.4 V @ 24 mA Source: 2.4 V @ 15 mA
General	
I/O Connectors	4 x IDC 50-pin
Operating Temperature	-20 ~ 70° C
Storage Temperature	-50 ~ 120° C
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")

Ordering Information

P/N	Description
PCM-3753I-AE	96-Ch Digital I/O PCI-104 Module



PCM-3724

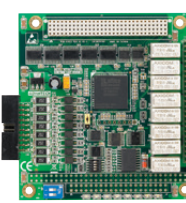
48-Ch Digital I/O PC/104 Module

Specifications

Digital Input/Output	
Channels	48 (bi-directional)
Compatibility	5 V/TTL
Input Voltage	Logic 0: 0.8 V max. @ -1 μ A Logic 1: 2.0 V min. @ 1 μ A
Output Voltage	Logic 0: 0.4 V max. @ 35 mA max. Logic 1: 2.0 V min. @ -35 mA max
Interrupt Capable Ch.	2
General	
Bus Type	PC/104
I/O Connectors	2 x 50-pin box header
Dimensions (L x H)	96 x 90 mm (3.8" x 3.5")
Power Consumption	5 V @ 90 mA
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)
Storage Humidity	0 ~ 90% RH, non-condensing

Ordering Information

P/N	Description
PCM-3724-BE	PC/104 48-bit Digital I/O Card



PCM-3761I

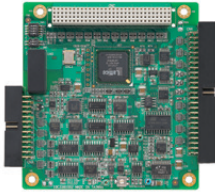
8-Ch Relay and 8-Ch Isolated Digital Input PCI-104 Module

Specifications

Isolated Digital Input	
Channels	8
Input Voltage	Logic 0: 3 V max., Logic 1: 5 V min., 30 V max.
Input Current	2.5 mA @ 5 V, 15 mA @ 30 V
Input Resistance	2 k Ω 0.5 W
Isolation Protection	2,500 V _{DC}
Overvoltage Protection	70 V _{DC}
Interrupt Capable Ch.	8
Opto-isolator Response Time	25 μ s
Relay Output	
Channels	8
Relay Type	DPDT, Form C
Contact Rating	0.25 A @ 250 V _{AC} , 2 A @ 30 V _{DC}
Operate/Release Time	typ. 3 / 2 ms, max. 5 / 4 ms
Life Span	5 x 10 ⁷ cycles typ.: 10 mA @ 12 V 2 x 10 ⁶ cycles typ.: 2000 mA @ 30 V
Resistance Contact	50 m Ω
Insulation	1 G Ω min. (at 500 V _{DC})
General	
I/O Connectors	1 x IDC-50 pin, 1 x IDC-20 pin
Operating Temperature	0 ~ 60° C (32 ~ 140° F) (refer to IEC 68-2-1, 2)
Storage Temperature	-20 ~ 70° C (-4 ~ 158° F)
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")

Ordering Information

P/N	Description
PCM-3761I-AE	8-Ch Relay/Isolated Digital Input PCI-104 Module



PCM-3810I

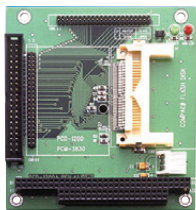
250 kS/s, 12-bit, 16-Ch
Multifunction PCI-104 Module

Specifications

Analog Input	
Channels	16 single-ended or 8 differential or combination
Resolution	12 bits
Max. Sampling Rate	250 kS/s
Ring Buffer Size	4,096 samples
Input Range	Bipolar: $\pm 10, \pm 5, \pm 2.5, \pm 1.25, \pm 0.625$ Unipolar: 0 ~ 10, 0 ~ 5, 0 ~ 2.5, 0 ~ 1.25
Analog Output	
Channels	2
Output Range	Internal Reference (V): 0 ~ 5, 0 ~ 10, $\pm 5, \pm 10$ External Reference: 0 ~ +x V @ +x V (-10 \leq x \leq 10), -x ~ +x V @ +x V (-10 \leq x \leq 10)
Resolution	12 bits
Output Rate	250 kS/s
Ring Buffer Size	4,096 samples
Digital Input/Output	
Channels	16
Compatibility	5V/TTL
Counter/Timer	
Channels	3 (independent)
Resolution	24 bits
Compatibility	5 V/TTL
Max. Input Frequency	10 MHz
Interrupt Capable Ch.	3
PWM Channels	3
General	
Bus Type	PCI-104
I/O Connectors	1 x 26-pin, 1 x 50-pin box header
Dimensions (L x H)	96 x 90 mm (3.8" x 3.5")
Operating Temperature	0 ~ 60° C (32 ~ 140° F) (refer to IEC 68-2-1, 2)
Storage Temperature	-20 ~ 70° C (-4 ~ 158° F)

Ordering Information

P/N	Description
PCM-3810I-AE	250 kS/s, 12-bit Multi. PCI-104 Module



PCM-3835

IDE Flash Disk Module/
CompactFlash Card

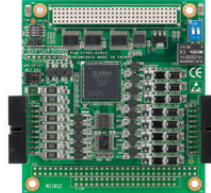


Specifications

General	
Bus Interface	PC/104
IDE Connector	Two onboard 44-pin 2.0 mm pitch IDE connectors and one 40-pin 2.5 mm pitch IDE connector
Power Supply Voltage	+5 V $\pm 10\%$
Environment	0 ~ 60° C, operating
Power Connector	Standard 4-pin power input
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)
Operating Humidity	0% ~ 90% relative humidity, non-condensing

Ordering Information

P/N	Description
PCM-3835-00A1E	IDE Flash disk module



PCM-3730I

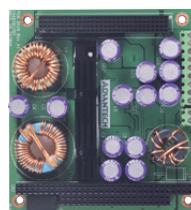
32-Ch Isolated Digital I/O
PCI-104 Module

Specifications

Isolated Digital Input	
Channels	16
Input Voltage	Logic 0: 3 V max., Logic 1: 5 V min. 30 V max.
Input Resistance	2 k Ω
Isolation Voltage	2,500 V _{DC}
Opto-isolator Response Time	25 μ s
Isolated Digital Output	
Channels	16
Output Voltage Open Collector	5 ~ 30 V _{DC}
Output Sink Current	300 mA max.
Isolation Voltage	2,500 V _{DC}
Opto-isolator Response Time	25 μ s
General	
I/O Connectors	2 x 20-pin box header
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
Operating Temperature	-20 ~ 70° C (-4 ~ 158° F)
Storage Temperature	-50 ~ 120° C (-58 ~ 248° F)

Ordering Information

P/N	Description
PCM-3730I-AE	32-ch Isolated Digital I/O PCI-104 Module



PCM-3910

DC to DC Power Supply
PC/104-plus Module



Specifications

General	
Bus Interface	PC/104-Plus
Input Voltage	10 V to 24 V _{DC} $\pm 5\%$
Output Voltage	5 V output 10.0 A 12 V output 2.0 A -5 V output 0.4 A (optional) -12 V output 0.4 A
Mechanical and Environmental	
Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Weight	0.084 kg (0.185 lb)
Operating Humidity	0% ~ 90% relative humidity, non-condensing

Ordering Information

P/N	Description
PCM-3910-00A1E	DC to DC power module PC/104-plus Module

Note: For wide temperature range, please contact sales rep.