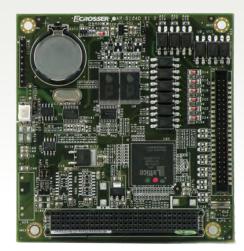


PC/104 Module

AR-B104D

AR-B104D 24 Channel Super Digital I/O, SRAM & CAN Bus PCI-104 Module





Features



- 12x optical isolated digital inputs. Support counter mode
- 12x 500 mA current sink digital outputs. Support pulse generator mode.
- 1MB battery backup SRAM disk. Supports disk and memory modes.
- ✓ CAN bus Support 2.0A and 2.0B protocol.
- Time stamp of CAN message
- Linux and Windows 2000, XP Software Development Kit (SDK).

Specification

General		General	
Bus interface SRAM disk	PCI 104 PCI 2.0 Compliant Capacity: 1M Bytes	Timer	12 x independent 16-bit timers Support Time Out Interrupt Programmable time unit: 1 ms and 100ms
	Battery backup Operation mode: A.Memory Mode B.Disk Mode (Support in Linux only) 12 optical isolated channels Operating mode: A.General digital input B.Counter mode Programmable de-bounce time (0 ms to 255ms, 1 ms resolution). Change of State interrupt Response time: 20 uS + de-bounce time Trigger: rising trigger or falling trigger Signal Type: A.Open/Ground switch input B.Digital Logici. Logic High: 3V to 28V Logic Low: 0V to 1.5V8. Maximum input frequency 10KHz.	CAN bus	1 x CAN bus 2KV isolation Support both CAN 2.0A and 2.0B protocol Programmable baud rate: from 5K bps Maximum 1M bps or user-defined baud rate Time stamp of CAN message API library for user development CAN bus device status query Device driver for Windows 2000/XP/XPe and Linux
Digital Input			
		Maximum card	Maximum 2 cards can be stacked up in one system
		Software	Windows XP, XPe and Linux device driver and API Windows XP, XPe and Linux demo program User interface for DIO, SRAM and CAN bus in Linux and Windows XP embedded
		Mechanical	
		Dimension	90.17 x 95.89mm (3.55"x3.775")
		Operating Temp. Storage Temp.	0°C to 60°C (32~140°F) without air flow -20~80°C (-4~176°F)
Counter	 All digital input support counter mode 12 x independent 16-bit counters 	Relative Humidity	0 to 90% @ 40°C, non-condensing
Digital Output	 12 channels Output Type: Open drain MOSFET driver Output voltage range: 5V to 30V Sink Current: maximum 500mA each channel 		
Pulse Generator	All digital outputs support pulse generator mode 12 x End of pulses interrupt capable counters Programmable cycle time, duty cycle and number of cycles. Maximum 65535 cycles RUN & STOP command Programmable time unit: 1 ms, 100ms and 1 second		



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508 Support: +1 347 719 4508

1309 Coffeen Ave Ste 1200 Sheridan WY 82801 USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050 Support: +44 (0)1785 879 050

Unit A5 Douglas Park Stone Business Park Stone ST15 0YJ United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660