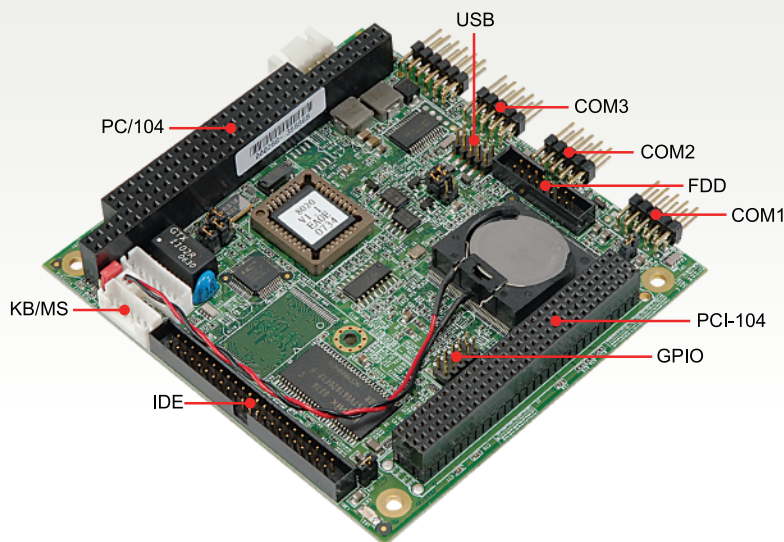




AR-B8020

Fanless PCI 104+SBC with R8610 CPU, 10/100 LAN, COM, USB2.0 Ports



Features



- ✓ RDC R8610 486 133MHz core CPU
- ✓ Fanless design
- ✓ Onboard SDRAM 64MB
- ✓ PC/104 and PCI-104 expansion
- ✓ 10/100 LAN
- ✓ 8 bit Digital I/O
- ✓ On-board 2 x USB2.0,
3 x Serial ports

SPECIFICATION

System

CPU	RDC R8610 133 MHz, L1 Cache 16KB
Chipset	RDC R8610
Memory	Onboard 64 MB SDRAM
Battery	Lithium Button Cell Battery, 3V 220mAH, with battery holder
BIOS	AMI
WatchDog Timer	Software programmable 1 ~ 255 sec.
LED	1 x Power LED 1 x HDD LED
Power Input	DC 5V single power for AR-B8020 12V for PC/104 slot AT power mode

Ethernet

Controller	10/100 Mbps LAN (RDC R8610)
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Storage

IDE	1 x IDE 44pin support ATA33
SSD	Optional CF adapter

I/O

Serial Port	1 x RS-232(COM1) 2 x RS-232/485(COM2/3)
USB Port	2 x USB 2.0 Internal Pin Head
GPIO	8-bit Digital I/O
Keyboard/Mouse Expansion Slot	1 x PS/2 for keyboard and mouse PC/104 PCI-104
FDC	1 x 2x8 (2.0mm) pin head

Mechanical & Environment

Dimension	90mm x 96mm (3.54 x 3.78")
Power Requirement	DC 5V single power for AR-B8020 12V for PC/104 slot
Power Consumption	AT power mode 5V/1A
Operating Temp.	0~60°C(32~140°F)
Storage Temp.	-20~80°C(-4~176°F)
Relative Humidity	5 to 90% @ 40°C, non-condensing
Safety	CE, FCC Class A

Packing List

AR-B8020:
PC/104 board, Driver CD, Quick Manual

Ordering Information

AR-B8020
PCI/104 SBC Powered by RDC R8610 Processor with LAN, PCI/104, COMs, USB 2.0

Optional

- ACC-8020
1. 1 x LAN Cable+RJ45 jack
 2. 3 x COM Port cable(DB9)
 3. 1 x Power Cable(AT)
 4. 1 x FDD Cable
 5. 1 x IDE Cable(44 pin to 40 pin)
 6. 1 x USB Cable
 7. 1 x KB/MS Cable
- AR-B9475
PCI-104 to PCI riser card