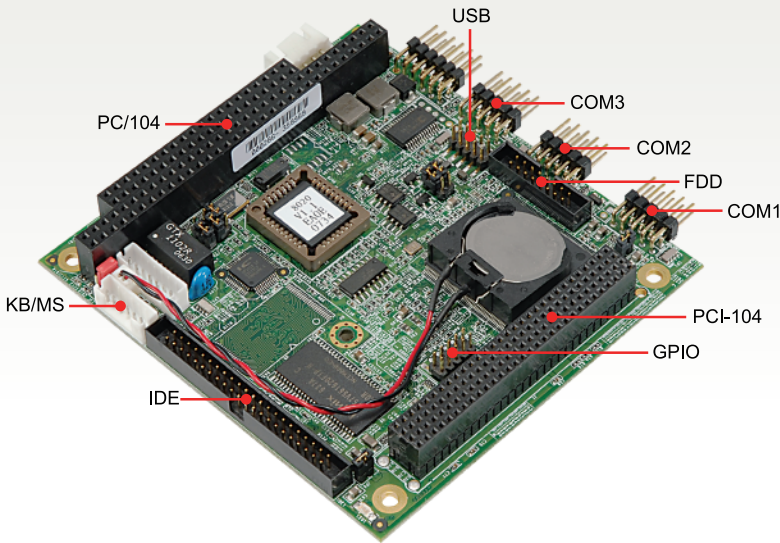




## AR-B8020

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

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

### Ethernet

<b>Controller</b>	10/100 Mbps LAN (RDC R8610)
-------------------	-----------------------------

### Storage

<b>IDE</b>	1 x IDE 44pin support ATA33
<b>SSD</b>	Optional CF adapter

### I/O

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

### Mechanical & Environment

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