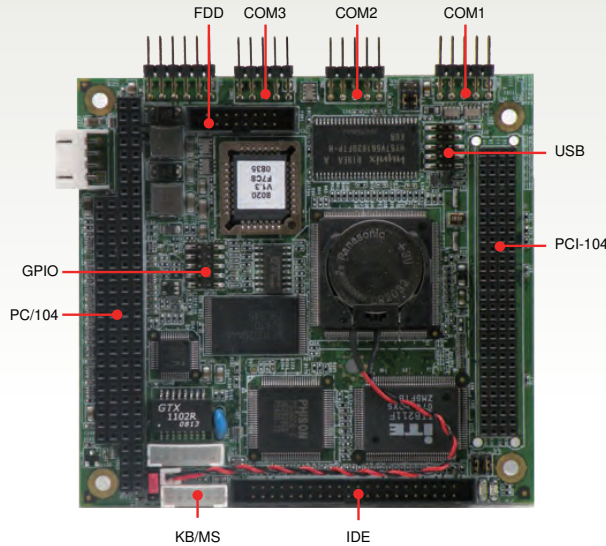


# AR-B8020

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



## Features

- ✓ RDC R8610 486 133MHz CPU
- ✓ Fanless Design
- ✓ Onboard SDRAM 64MB
- ✓ PC/104 and PCI-104 Expansion
- ✓ 10/100 LAN
- ✓ 8-bit Digital I/O
- ✓ 2 x USB2.0, 3 x COM
- ✓ Linux OS Ready

Embedded SBC

## Specification

System	
<b>CPU</b>	RDC R8610 486 133MHz, 16KB L1 cache
<b>Chipset</b>	RDC R8610
<b>Front Side Bus</b>	-
<b>Memory</b>	Onboard 64MB SDRAM
Storage	
<b>IDE</b>	1 x IDE (44-pin) support ATA33
<b>SATA</b>	-
<b>CF</b>	• One CF adapter space (AR-B9462C)
<b>FDD</b>	1 x FDD
I/O	
<b>Expansion Slot</b>	• 1 x PC/104 • 1 x PCI-104
<b>Ethernet</b>	1 x 100Mbps pin header, RDC R8610
<b>Serial Port</b>	1 x RS-232, 2 x RS-232/485 (3 x pin header)
<b>USB</b>	2 x USB2.0 (2 x pin header)
<b>GPIO</b>	8-bit Digital I/O
<b>Parallel Port</b>	-
<b>PS/2</b>	1 x PS/2 keyboard and mouse pin header
<b>Audio</b>	-
Hardware Feature	
<b>Hardware Monitoring</b>	-
<b>WatchDog Timer</b>	Software programmable 1~255 sec.

Power Requirement	
<b>Power Input</b>	DC 5V single power for AR-B8020 DC 12V for PC/104 slot
<b>Power Consumption</b>	5W without external devices, 1A@5V
Software	
<b>OS Support</b>	Linux
Mechanical & Environment	
<b>Dimension</b>	90mm x 96mm (3.54" x 3.78")
<b>Weight</b>	Net: 94g (0.2Lb), Gross: 227g (0.5Lb)
<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	
<ul style="list-style-type: none"> <li>• 1 x AR-B8020</li> <li>• 1 x Quick manual</li> <li>• 1 x Driver CD</li> </ul>	
Ordering Information	
<b>AR-B8020</b>	1 x AR-B8020
<b>Optional Item</b>	AR-B9475: PCI-104 to PCI riser card
<b>Accessory</b>	ACC-8020: <ul style="list-style-type: none"> <li>• 1 x LAN cable + RJ45 connector</li> <li>• 1 x PS/2 keyboard and mouse cable</li> <li>• 1 x HDD cable</li> <li>• 1 x USB cable</li> <li>• 1 x FDD cable</li> <li>• 1 x Power cable (AT)</li> <li>• 1 x COM cable (DB9)</li> </ul>

## 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.

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