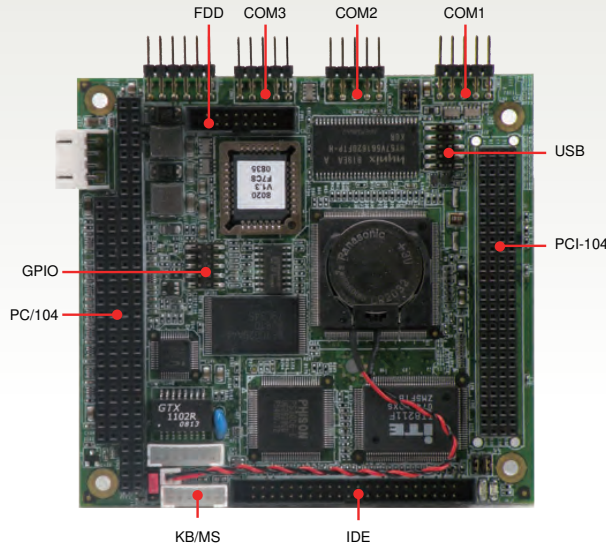


AR-B8020

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

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

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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