



Features

- ✓ Intel 852GM+ICH4
- ✓ Onboard CPU Intel Celeron M 600MHZ/512KB Fanless
- ✓ Memory support DDR 200/266 up to 1 G
- ✓ VGA / LVDS
- ✓ 2 xUSB2.0 / 2 COM port / AR-B5020D
- ✓ PC/104+
- ✓ CF socket
- ✓ 2 USB2.0 / 2 COM port

SPECIFICATION

System

CPU	On-board ULV Celeron-M 600 MHz 512k Cache CPU, Fanless
Chipset	Intel 852GM+Intel ICH4
Memory	One SO-DIMM socket support 200/266 DDR SDRAM up to 1GB (Support single side mempry)
Battery	Lithium Button Cell Battery, 3V 220mAH
BIOS	Award
Hardware Monitoring	1. CPU voltage 2. CPU Temperature 3. Voltage Monitoring
WatchDog Timer	Software programmable 1~63 sec.
OS	Win XP/XP Embedded/ WinCE, Linux 6.5 and above

Video

Video Controller	Integrated Intel Extreme Graphics Up to 64MB Shared system Memory Integrated Intel AGP 4X 2D/3D engine MPEG-2 Decode
Video Interface	1 x VGA port(Pin Header) 18-bit Dual Channel LVDS port(Pin Header) LCD inverter power connector and ON/OFF control Support 3.3V and 5V LCD

Ethernet

Connector Controller	LAN (pin beader with one LAN cable + RJ45 connector) Intel 82562ET
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Storage

IDE	1 x EIDE support Ultra DMA33(Pin Header)
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I/O

Serial Port	RS-232 x 2(Pin Header)
USB Port	2 x USB2.0 Internal ports(Pin Header)
GPIO	8 Independent TTL level I/O (2x5x2.0)
Keyboard/Mouse	1 x PS/2 for keyboard and mouse
Expansion Slot	100 pin connector to daughter board(AR-B5020D)
I/O Chipset	Winbond 83627HG-AW

Mechanical & Environment

Dimension	90mm x 96mm (3.54 x 3.78")
Power Requirement	AT:5V Single Voltage Input(Pin Header) Only 5V
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

Packing List

AR-B5020:
CPU Board, Driver CD, Quick Manual
AR-B5020+AR-B5020D:
CPU board (5020), Expansion board(5020D), Driver CD, Quick Manual

Ordering Information

AR-B5020
PC/104 Intel Celeron M 600MHz 512KB Cache Processor with LAN/LCD/CRT
AR-B5020 + AR-B5020D
PC/104 Intel Celeron M 600MHz 512KB Cache Processor with LAN/LCD/CRT and Expansion board for PC/104+, CF/USB/COM

Optional

ACC-5020
1 x LAN cable + RJ45 connector
1 x KB/MS cable
1 x IDE cable(44pin to 40pin)
1 x USB cable
1 x VGA cable(DB15)
1 x Power cable(AT)
1 x COM cable(DB9)