



Features

- ✓ Intel 852GM + ICH4
- ✓ Support Intel Pentium/Celeron M
- ✓ Support DDR 200/266MHz up to 1GB
- ✓ VGA/LVDS
- ✓ Dual Giga LAN (BCM5788)
- ✓ 2 x COM, 4 x USB2.0, CF, Audio

Embedded SBC

SPECIFICATION

System

CPU	Socket 478 support Intel Pentium M/Celeron M
Chipset	Intel 852GM + Intel ICH4
Memory	1 x 200-pin SO-DIMM socket support 200/266MHz DDR SDRAM up to 1GB
Battery	Lithium Battery, 3V 220mAH
BIOS	Award
Hardware	Yes
Monitoring	
WatchDog Timer	Software programmable 1~255 sec.
OS	Win 2000/NT/XP, Linux 6.5 and above

Video

Video Controller	Integrated Intel extreme graphics up to 64MB shared system memory
Video Interface	1 x VGA (DB15) 1 x Dual Channel 18-bit LVDS (Onboard pin header)

Ethernet

Connector	2 x RJ45
Controller	Broadcom BCM5788(Giga bps)

Storage

IDE	1 x E-IDE support Ultra DMA 33
SSD	1 x Compact Flash socket

I/O

Serial Port	1 x RS-232, 1 x RS-232/422/485 (2 x onboard pin header)
USB Port	4 x USB2.0 (2 x external port, 2 x onboard pin header)
Audio	AC'97 Stereo (MIC-In/Line-In/Line-Out)
GPIO	8 Independent TTL level
Keyboard/Mouse	PS/2 keyboard and mouse connector

Mechanical & Environment

Dimension	145mm x 102mm
Power Requirement	AT : 12V single voltage input ATX : Power switch pin header and pin header for external 5V stand-by
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

1. AR-B1851 x 1
2. Quick manual x 1
3. Driver CD x 1
4. FAN (Socket model only) x 1

Ordering Information

AR-B1851CM1GZC	AR-B1851 with Celeron M 1GHz, Zero L2 cache
AR-B1851CM6C	AR-B1851 with Celeron M 600MHz, 512KB L2 cache
ACC-1851 (Optional)	1. PS/2 keyboard and mouse cable x 1 2. HDD cable x 1 3. COM cable (DB9) x 1 4. Audio cable x 1 5. USB cable x 1