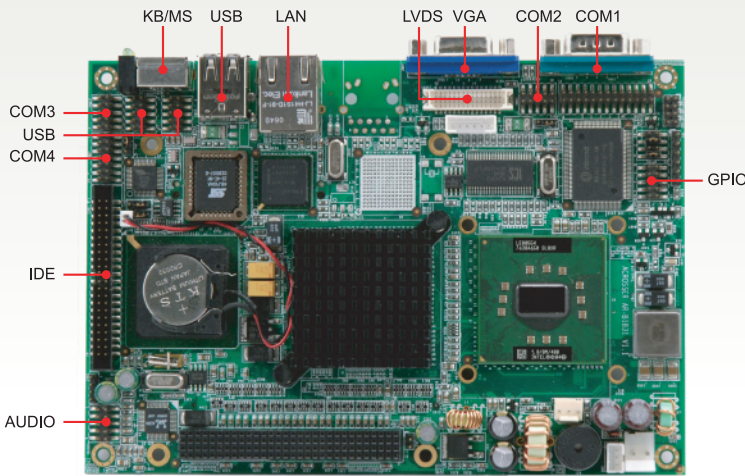




# AR-B1831 Series

EPIC SBC supporting Intel Pentium-M / Celeron-M Processors  
with Dual LANs / LCD / CRT

Embedded SBC



## Features

- ✓ 855GM and ICH4
- ✓ DDR solution
- ✓ VGA, Dual 18 bit LVDS
- ✓ 6 serial ports, 6 x USB 2.0
- ✓ Stereo Audio Line -In , Line Out, MIC -In
- ✓ PCI104 expansion

## SPECIFICATION

### System

<b>CPU</b>	Socket 478 support Intel Pentium M/Celeron M FSB 400MHz CPU
<b>Chipset</b>	Intel 855GME+Intel ICH4
<b>Front Side Bus</b>	400MHz
<b>Memory</b>	One SO-DIMM socket support 200/266/333 DDR SDRAM up to 1GB
<b>Battery</b>	One time Li-Ion CR2032 220mAh for RTC
<b>WatchDog Timer</b>	Software programmable 1~63 sec.
<b>OS</b>	Windows XP/Xpe/2K/CE, Linux

### Video

<b>Video Controller</b>	Intel 855GM integrated Extreme Graphics Controller
<b>Video Interface</b>	VGA port Dual 18-bit LVDS port integrated PWM interface for LCD backlight inverter control

### Ethernet

<b>Connector</b>	2 x RJ45
<b>Controller</b>	Realtek RTL8100C (10/100)

### Storage

<b>IDE</b>	One 44-pin IDE connector for HDD
<b>SSD</b>	1 x Compact Flash socket

### I/O

<b>Serial Port</b>	RS-232 x 1 DB9 RS-232/422/485 x 1 RS-232 x 2
<b>USB Port</b>	2 x External USB 2.0 4 x Internal USB 2.0
<b>Audio</b>	AC'97 Stereo (MIC-In/Line-In/Line-Out)
<b>GPIO</b>	8-bit Digital I/O
<b>IrDA</b>	Yes
<b>Parallel Port</b>	LPT Port x 1
<b>Keyboard/Mouse</b>	PS/2 Keyboard and PS/2 Mouse Connector
<b>Expansion Slot</b>	PCI-104

### Mechanical & Environment

<b>Dimension</b>	115m.m X 165m.m
<b>Power Supply</b>	DC 12V Single Power
<b>Power Mode</b>	AT/ ATX
<b>Power</b>	Power LED
<b>Consumption</b>	
<b>Operating Temp.</b>	0~60° C(32~140°F)
<b>Storage Temp.</b>	-20~80° C(-4~176°F)
<b>Relative Humidity</b>	0 to 90% @ 40° C, non-condensing

### Packing List

1. AR-B1831
2. Driver CD
3. User manual
4. KB/MS cable

### Optional

#### ACC-1831 Cable Set

- 1 x COM cable(RS-232)
- 1 x Audio cable (Line-in/Line-out/Mic-in)
- 1 x USB Cable
- 1 x LPT cable (DB-25)
- 1 x SATA Cable