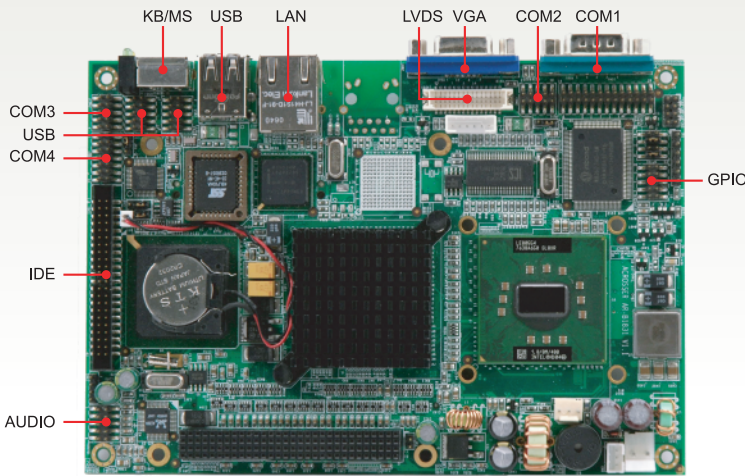


AR-B1831 Series

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

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

Video

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

Ethernet

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

Storage

IDE	One 44-pin IDE connector for HDD
SSD	1 x Compact Flash socket

I/O

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

Mechanical & Environment

Dimension	115m.m X 165m.m
Power Supply	DC 12V Single Power
Power Mode	AT/ ATX
Power	Power LED
Consumption	
Operating Temp.	0~60° C(32~140°F)
Storage Temp.	-20~80° C(-4~176°F)
Relative Humidity	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