



Features

- ✔ Supports Pentium D, Pentium 4 and Celeron D processors
- ✔ Intel 945G chipsets
- ✔ Supports Dual channel DDR2 SDRAM memory
- ✔ Dual Compact Flash Socket
- ✔ Other One 2 x 5 pin header
- ✔ TPM software security
- ✔ PCI & PCI express x16 expansion

SPECIFICATION

System

CPU	Supports Intel 533/800/1066MHz system bus Pentium 4 & Celeron D(LGA775) processors
Chipset	Intel 945G+Intel ICH7
Front Side Bus	533M/800M/1066MHz
Memory	Dual Channel DDR2-533/667 SDRAM DIMM X 2 up to 4GB
Battery	One time Li-Ion CR2032 220mAh for RTC
BIOS	Award
RTC	System
WatchDog Timer	Software programmable 1~255 sec.
Security	TPM 1.2
OS	Windows XP, XP Embedded, Linux

Video

Video Controller	Intel 945G integrated GMA 950 graphic controller
Video Interface	VGA port integrated PWM interface for LCD backlight inverter control

Ethernet

Connector	RJ45
Controller	Realtek RTL8100C (10/100) Realtek RTL8110S (10/100/1000)

Storage

IDE	One 44-pin IDE connector for HDD
SATA	Serial ATA 2 Port x 2
SSD	Two CF connectors

I/O

Serial Port	RS-232 x 5 RS-232/422/485 x 1
USB Port	4 x External USB 2.0 2 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 Slot PCI-E x16

Mechanical & Environment

Dimension	310m.m X 200m.m
Power	ATX 24 Pin Power Connector
Power Mode	ATX
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. One AR-B1991
2. Quick user manual x1
3. Driver CD x 1

Optional

- ACC-1991
- 1 x AR-B9422
 - 1 x USB Cable
 - 1 x COM Port Cable
 - 1 x IDE Cable (40 Pin)
 - 1 x IDE Cable (44 Pin)
 - 1 x D-Sub 44 Pin to 5 COM Cable