



Features

- ✓ Support Pentium D, Pentium 4 and Celeron D
- ✓ Intel 945G Chipsets
- ✓ Support Dual Channel DDR2 SDRAM Memory
- ✓ Dual Compact Flash Socket
- ✓ TPM Software Security
- ✓ PCI & PCI Express x16 Expansion

SPECIFICATION

System

CPU	Support Intel Pentium 4/Celeron D
Chipset	Intel 945G + Intel ICH7
Front Side Bus	533/800/1066MHz
Memory	2 x 240-pin DIMM socket support 400/533/667MHz Dual Channel DDR2 SDRAM 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	1 x VGA (DB15)

Ethernet

Connector	2 x RJ45
Controller	Realtek RTL8100C (10/100Mbps) Realtek RTL8110S (Giga bps)

Storage

IDE	1 x IDE (44-pin)
SATA	2 x SATA 2 port
SSD	2 x Compact Flash socket

I/O

Serial Port	5 x RS-232, 1 x RS-232/422/485 (1 x DB44 includes 5 serial port, 1 x onboard pin header)
USB Port	6 x USB2.0 (4 x external port, 2 x onboard pin header)
Audio	AC'97 Stereo (MIC-In/Line-In/Line-Out)
GPIO	8-bit Digital I/O
IrDA	Yes
Parallel Port	1 x LPT port
Keyboard/Mouse	PS/2 keyboard and mouse connector
Expansion Slot	1 x PCI slot 1 x PCI Express x16 slot

Mechanical & Environment

Dimension	310mm x 200mm
Power Requirement	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. AR-B1991 x 1
2. Quick user manual x 1
3. Driver CD x 1

Ordering Information

ACC-1991 (Optional)	1. AR-B9422 x 1 2. USB cable x 1 3. COM cable (DB9) x 1 4. HDD cable (40-pin) x 1 5. HDD cable (44-pin) x 1 6. COM cable (DB44 to 5 DB9) x 1
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