



Features

- ✓ Support Pentium/Celeron M
- ✓ 1 x SO-DIMM Socket Support
DDR SDRAM
- ✓ VGA/LVDS
- ✓ 2 x 10/100 LAN
- ✓ PCI-104 Interface
- ✓ COM, USB2.0, GPIO, IDE, CFII,
Audio

Specification

System

CPU	Socket 478 support Intel Pentium/Celeron M
Chipset	Intel 855GM + Intel ICH4
Front Side Bus	400MHz
Memory	1 x 200-pin SO-DIMM socket support 200/266/333MHz DDR SDRAM up to 1GB, 512MB pre-installed
Battery	Lithium Battery, 3V 220mAH
BIOS	Award
RTC	System
Hardware	Yes
Monitoring	
WatchDog Timer	Software programmable 1~63 sec.
OS	Windows XP/XP Embedded/2000/CE, Linux

Video

Video Controller	Intel 855GM integrated extreme graphics controller
Video Interface	1 x VGA port 1 x Dual Channel 18-bit LVDS port

Ethernet

Connector	2 x RJ45
Controller	Intel 82551QM (10/100Mbps)

Storage

IDE	1 x IDE (44-pin)
HDD Bay	Anti-shock drive bay for 2.5" HDD
SSD	1 x Compact Flash Type II socket

I/O

Serial Port	3 x RS-232, 1 x RS-232/422/485 (4 x DB9)
USB Port	6 x USB2.0 (2 x external port, 4 x onboard pin header)
Audio	Audio Line Out
GPIO	8-bit Digital I/O
IrDA	Yes
Parallel Port	1 x LPT
Keyboard/Mouse	PS/2 keyboard and mouse connector
Expansion Slot	1 x PCI-104 slot

Mechanical & Environment

Dimension	250mm x 117mm x 59mm (W x D x H)
Power Supply	90~264V AC input
Power	AT : 12V single voltage input
Requirement	
Operating Temp.	0~50°C (32~122°F)
Storage Temp.	-20~80°C (-4~176°F)
Relative Humidity	0 to 90% @ 40°C, non-condensing
Safety	CE FCC class A

Packing List

1. AR-ES0831 x 1
2. Quick user guide x 1
3. Utility CD x 1
4. 512MB memory pre-installed
5. PS/2 keyboard and mouse cable x 1
6. 2.5" anti-shock HDD mounting kit x 1
7. HDD cable (44-pin) x 1
8. Power adapter x 1
9. AC power cord (Optional for USA/EU/UK type) x 1
10. Mounting bracket x 2
11. Slim heat sink with Fan x 1

Ordering Information

AR-ES0831	AR-ES0831 with Pentium M/Celeron M, 512MB DDR and power adapter
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