



## Features

- ✓ Fanless and Dustproof
- ✓ Support Pentium/Celeron M
- ✓ VGA/LVDS Support Dual Display
- ✓ Dual 10/100 LAN
- ✓ Anti-Shock 2.5" HDD Mounting Kit
- ✓ Optional DC 9 to 32V Power Input

## SPECIFICATION

### System

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

### Video

<b>Video Controller</b>	Intel 855GME integrated extreme graphics controller
<b>Video Interface</b>	1 x VGA port 1 x Dual Channel 18-bit LVDS port

### Ethernet

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

### Storage

<b>IDE</b>	1 x IDE (44-pin)
<b>HDD Bay</b>	Anti-shock drive bay for 2.5" HDD
<b>SSD</b>	1 x Compact Flash socket

### I/O

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

### Mechanical & Environment

<b>Dimension</b>	250mm x 161mm x 59mm (W x D x H)
<b>Power Supply</b>	Lockable DC plug-in jack
<b>Power Requirement</b>	AT : 12V single voltage input
<b>Operating Temp.</b>	0~50°C (32~122°F)
<b>Storage Temp.</b>	-20~80°C (-4~176°F)
<b>Relative Humidity</b>	0 to 90% @ 40°C, non-condensing
<b>Safety</b>	CE FCC class A

### Packing List

1. AR-ES0831FL x 1
2. Quick user guide x 1
3. Utility CD x 1
4. 512MB memory pre-installed
5. 2.5" anti-shock HDD mounting kit x 1
6. HDD cable (44-pin) x 1
7. PS/2 keyboard and mouse cable x 1
8. 60 Watt power adapter x 1
9. AC power cord (Optional for USA/EU/UK type) x 1
10. Mounting bracket x 2
11. Screw pack

### Ordering Information

<b>AR-ES0831FLPM18</b>	AR-ES0831FL with Intel Pentium M 745 1.80GHz, 512MB DDR and 60W power adapter
<b>AR-ES0831FLPM18-W</b>	AR-ES0831FL with Intel Pentium M 745 1.80GHz, 512MB DDR and 9-32V DC power module
<b>AR-ES0831FLPM16</b>	AR-ES0831FL with Intel Pentium M 1.60GHz, 512MB DDR and 60W power adapter
<b>AR-ES0831FLPM16-W</b>	AR-ES0831FL with Intel Pentium M 1.60GHz, 512MB DDR and 9-32V DC power module
<b>AR-ES0831FLCM15</b>	AR-ES0831FL with Intel Celeron M 370 1.50GHz, 512MB DDR and AC/DC power adapter
<b>AR-ES0831FLCM15-W</b>	AR-ES0831FL with Intel Celeron M 370 1.50GHz, 512MB DDR and 9-32V DC power module
<b>AR-ES0831FLCM13</b>	AR-ES0831FL with Intel Celeron M 320 1.30GHz, 512MB DDR and AC/DC power adapter
<b>AR-ES0831FLCM13-W</b>	AR-ES0831FL with Intel Celeron M 320 1.30GHz, 512MB DDR and 9-32V DC power module
<b>AR-ES0831FLCM6C</b>	AR-ES0831FL with Intel Celeron M 600MHz, 512MB DDR and AC/DC power adapter
<b>AR-ES0831FLCM6C-W</b>	AR-ES0831FL with Intel Celeron M 600MHz, 512MB DDR and 9-32V DC power module