



## Features

- ✓ Intel Atom N450
- ✓ Memory Support DDR2  
400/533/667MHz up to 2GB
- ✓ VGA/LVDS
- ✓ 2 x COM, 6 x USB2.0, 2 x GbE

## Specification

### System

<b>CPU</b>	Intel Atom N450 1.66GHz
<b>Chipset</b>	Intel ICH8M
<b>Front Side Bus</b>	667MHz
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 1 x 200-pin SO-DIMM socket support</li> <li>• 400/533/667MHz DDR2 SDRAM up to 2GB</li> <li>• 1GB DDR2 pre-installed</li> </ul>

### Video

<b>Graphic Controller</b>	Intel Atom N450 intergrated
<b>Video Memory</b>	DVMT 3.0, Maximum 224MB shared
<b>Video Interface</b>	<ul style="list-style-type: none"> <li>• 1 x VGA port (DB15)</li> <li>• 1 x 18-bit LVDS (Pin header)</li> </ul>

### Storage

<b>IDE</b>	-
<b>SATA</b>	2 x SATA II port
<b>CF</b>	1 x Compact Flash Type I/II slot support UDMA 33
<b>Disk Bay</b>	-

### Communication

<b>Ethernet</b>	2 x Gbps RJ45 with LED, Realtek RTL8111D
<b>USB</b>	6 x USB2.0 (4 x external port, 2 x pin header)
<b>Serial Port</b>	2 x RS-232 (1 x DB9, 1 x pin header)

### Expansion

<b>PCI Slot</b>	1 x PCI-104
<b>PCI Express</b>	-
<b>miniPCle</b>	1 x miniPCle

### Other Feature

<b>PS/2</b>	-
<b>Audio</b>	Realtek ALC888 Audio Codec
<b>Hardware Monitoring</b>	<ul style="list-style-type: none"> <li>• CPU voltage and temperature</li> <li>• CPU and fan speed</li> </ul>
<b>WatchDog Time</b>	Software programmable 1~255 sec.
<b>Indicator</b>	Power and HDD LED
<b>GPIO</b>	8-bit Digital I/O

### Power Requirement

<b>Power Input</b>	12V (+/-5%) single voltage input, 3 poles terminal block
<b>Power Consumption</b>	-

### Software

<b>OS Support</b>	Windows XP/XP Embedded/CE 5.0 & 6.0, Linux kernel 2.6.31
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### Mechanical & Environment

<b>Thermal Design</b>	Fanless
<b>Chassis Material</b>	SECC + Aluminum heatsink
<b>Dimension (W x D x H)</b>	146mm x 102mm (5.7" x 4")
<b>Weight</b>	-
<b>Operating Temp.</b>	0~60°C (32~140°F)
<b>Storage Temp.</b>	-20~80°C (-4~176°F)
<b>Relative Humidity</b>	0 to 95% @ 40°C, non-condensing
<b>Safety</b>	CE, FCC class A

### Packing List

- 1 x AR-ES6050FLD
- 1GB memory per-installed
- 1 x Driver CD
- 1 x User manual
- 1 x DIN mounting bracket
- 2 x Mounting bracket ; 4 pcs x Screw

### Ordering Information

<b>AR-ES6050FLD</b>	Intel N450+ICH8M, 1GB DDR2, 12VDC, DIN mount
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