



## Features

- ✓ Intel Atom N450 1.66GHz
- ✓ Memory Support DDR2  
400/533/667MHz up to 2GB
- ✓ VGA/LVDS
- ✓ 6 x USB2.0, 2 x COM, CF Socket,  
PCI-104, miniPCIe

## 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> </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> | -  |

### I/O

|                       |  |
|-----------------------|--|
| <b>Expansion Slot</b> | <ul style="list-style-type: none"> <li>• 1 x PCI-104 slot</li> <li>• 1 x miniPCIe</li> </ul> |
| <b>Ethernet</b>       | 2 x Gbps RJ45 with LED, Realtek RTL8111D   |
| <b>Serial Port</b>    | 2 x RS-232 (2 x pin header)  |
| <b>USB</b>            | 6 x USB2.0 (4 x external port, 2 x pin header)   |
| <b>GPIO</b>           | 8-bit Digital I/O  |
| <b>Parallel Port</b>  | -  |
| <b>PS/2</b>           | -  |
| <b>Audio</b>          | Realtek ALC888 Audio Codec   |

### Hardware Feature

|                            |  |
|----------------------------|--|
| <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.   |

### Power Requirement

|                          |                                  |
|--------------------------|----------------------------------|
| <b>Power Input</b>       | 12V (+/-5%) single voltage input |
| <b>Power Consumption</b> | -                                |

### Software

|                   |   |
|-------------------|---|
| <b>OS Support</b> | Windows XP/XP Embedded/CE 5.0 & 6.0,<br>Linux kernel 2.6.31 |
|-------------------|---|

### Mechanical & Environment

|                          |                                  |
|--------------------------|----------------------------------|
| <b>Dimension</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-B6050
- 1 x Driver CD
- 1 x User manual

### Ordering Information

|                  |   |
|------------------|---|
| <b>AR-B6050</b>  | 1 x AR-B6050  |
| <b>Accessory</b> | ACC-6050: <ul style="list-style-type: none"> <li>• 1 x Power cable (ATX)</li> <li>• 1 x USB cable</li> <li>• 1 x COM cable</li> </ul> |