



## Features

- ✓ Intel Atom N270 1.6GHz
- ✓ Intel 945GSE + ICH7M
- ✓ Memory Support DDR2  
400/533MHz up to 2GB
- ✓ VGA/LVDS
- ✓ 6 x USB2.0, 8 x COM, SATA

## Specification

### Specification

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| <b>CPU</b>            | Intel Atom N270 1.6GHz                                |
| <b>Chipset</b>        | Intel 945GSE + Intel ICH7M                            |
| <b>Front Side Bus</b> | 533MHz                                                |
| <b>Memory</b>         | 1 x 240-pin DIMM socket support 400/533MHz DDR2 SDRAM |

### Video

|                           |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Graphic Controller</b> | Intel 945GSE integrated GMA 950 graphic controller                                                             |
| <b>Video Memory</b>       | DVMT 3.0, Maximum 224MB shared                                                                                 |
| <b>Video Interface</b>    | <ul style="list-style-type: none"> <li>• 1 x VGA (1 x DB15)</li> <li>• 1 x 18-bit LVDS (Pin header)</li> </ul> |

### Storage

|             |                  |
|-------------|------------------|
| <b>IDE</b>  | 1 x IDE (44-pin) |
| <b>SATA</b> | 2 x SATA port    |
| <b>CF</b>   | -                |
| <b>SD</b>   | -                |

### I/O

|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expansion Slot</b> | 1 x PCI                                                                                                                                            |
| <b>Ethernet</b>       | <ul style="list-style-type: none"> <li>• 1 x 100Mbps RJ45 with LED, Realtek RTL8103</li> <li>• 1 x Gbps RJ45 with LED, Realtek RTL8111C</li> </ul> |
| <b>Serial Port</b>    | 8 x RS-232 (1 x DB9, 7 x pin header)                                                                                                               |
| <b>USB</b>            | 6 x USB2.0 (4 x external port, 2 x pin header)                                                                                                     |
| <b>GPIO</b>           | -                                                                                                                                                  |
| <b>Parallel Port</b>  | 2 x LPT (1 x DB25, 1 x pin header)                                                                                                                 |
| <b>PS/2</b>           | 1 x PS/2                                                                                                                                           |
| <b>Audio</b>          | Realtek ALC662                                                                                                                                     |

### Hardware Feature

|                       |                           |
|-----------------------|---------------------------|
| <b>Hardware</b>       | CPU voltage and temperate |
| <b>Monitoring</b>     | -                         |
| <b>WatchDog Timer</b> | -                         |

### Power Requirement

|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| <b>Power Input</b>       | Standard ATX 20-pin power connector                          |
| <b>Power Consumption</b> | 20.4W without external devices, 1.3A@3.3V, 2.5A@5V, 0.3A@12V |

### Software

|                   |                              |
|-------------------|------------------------------|
| <b>OS Support</b> | Windows Vista/XP/XP Embedded |
|-------------------|------------------------------|

### Mechanical & Environment

|                          |                                  |
|--------------------------|----------------------------------|
| <b>Dimension</b>         | 170mm x 170mm (6.69" x 6.69")    |
| <b>Operating Temp.</b>   | 0~60°C (32~140°F)                |
| <b>Storage Temp.</b>     | -20~80°C (-4~176°F)              |
| <b>Relative Humidity</b> | 10 to 90% @ 40°C, non-condensing |
| <b>Safety</b>            | CE, FCC class A                  |

### Packing List

- 1 x AR-B5495
- 1 x Driver CD
- 1 x User manual
- 2 x COM cable
- 1 x LPT cable
- 1 x IDE cable (44-pin)
- 1 x I/O bracket
- 1 x SATA cable kit (SATA/Power)

### Ordering Information

|                 |              |
|-----------------|--------------|
| <b>AR-B5495</b> | 1 x AR-B5495 |
|-----------------|--------------|