

# AR-B1720

PC 104

Embedded Computing Board



## Features

**Intel Celeron M 600MHz PC/104 plus CPU Card with VGA/ Dual LAN, 4 COM , and CF**

- Celeron M >
- LAN >
- VGA/LVDS >
- 2 LAN >
- DDR >
- CF >
- 4 USB 2.0 >
- Dual Display >
- 4 COMs >

## Specification

### System:

|                       |  |
|-----------------------|--|
| CPU                   | Intel ULV Celeron M 600MHz with onboard FSB 400MHz (Optional ULV Celeron M 1.0GHz/Pentium M Dothan 1.4GHz CPU) |
| Chipset               | Intel 852GM + Intel ICH 4  |
| System Memory         | 1 x 200Pin SO-DIMM up to 1.0GB DDR SDRAM   |
| BIOS                  | Phoenix-Award PnP Flash BIOS   |
| SSD                   | Supports 1MB Flash and one socket for 512KB flash or for DiskOnChip (DOC)                                      |
| Watchdog Timer        | 255-Level Reset  |
| Expansion Interface   | 1 x 32 bit/33MHz PCI interface, 1 x 16 bit ISA base PC/104 interface   |
| Power Requirement     | +5V /3.31AA (Max)  |
| Weight                | 0.188 kg (0.411 LB)  |
| Dimension             | 114mm x 95mm ( 4.5 " x 3.7 ")  |
| Operating Temperature | 0~60°C(32~140°F)   |
| Storage Temperature   | -20~80°C(-4~176°F)   |
| Operating Humidity    | 0% ~ 95% Relative humidity non-condensing  |

### I/O:

|          |   |
|----------|---|
| Main IO  | 3 x RS-232 serial ports (COM1/3/4), 1 x RS-232/485 Serial Port (COM 2) SPP/EPP/ECP mode share with Floppy, 8 bit Digital Input/ Ouput, Keybpard/Mouse, 4 x USB 2.0 Compliant, 1 x IrDA 1.1 compliant, Floppy shared with parallel port, Floppy also can be impletemented on carrier board, Floppy can be used as an external USB Floppy |
| Ethernet | 1 x Realtek 8100BL 10/100 bases-T<br>1 x Intel 82562EZ 10/100 base-T<br>Built -in Boot ROM in Flash BIOS, Support Boof from LAN   |
| Audio    | Realtek ALC202A AC 97 Codec, support Mic-in/ Lline-in/Line-out  |

### Display:

|           |   |
|-----------|---|
| Chipset   | Intel 852GM Extreme Graphics 2 Engin up to 64 UMA Video RAM   |
| Interface | CRT support CRT QXGA up to 2048 x 1536<br>LCD support 18 /24/48-bit LVDS UXGA up to 1600 x 1200<br>Dual Mode support Independent dual display |

### Packing list:

|           |                        |
|-----------|------------------------|
| 190040007 | Cable Kit for AR-B1720 |
|-----------|------------------------|

## Ordering Information

### Standard:

|               |   |
|---------------|---|
| 010010232     | AR-B1720 Standard Model without Accessory   |
| 010050082     | AR-B1720 Standard Model with Accessory  |
| AR-B1720 PM14 | Intel Pentium M 1.4GHz PC/104 plus CPU card with VGA/LVDS, Dual LAN, 4 COM , and CF (Option Model, Minimum Order Quantity Required)     |
| AR-B1720 CM10 | Intel ULV Celeron M 1.0GHz PC/104 plus CPU card with VGA/LVDS, Dual LAN, 4 COM , and CF (Option Model, Minimum Order Quantity Required) |

Specifications are subject to change without notice.