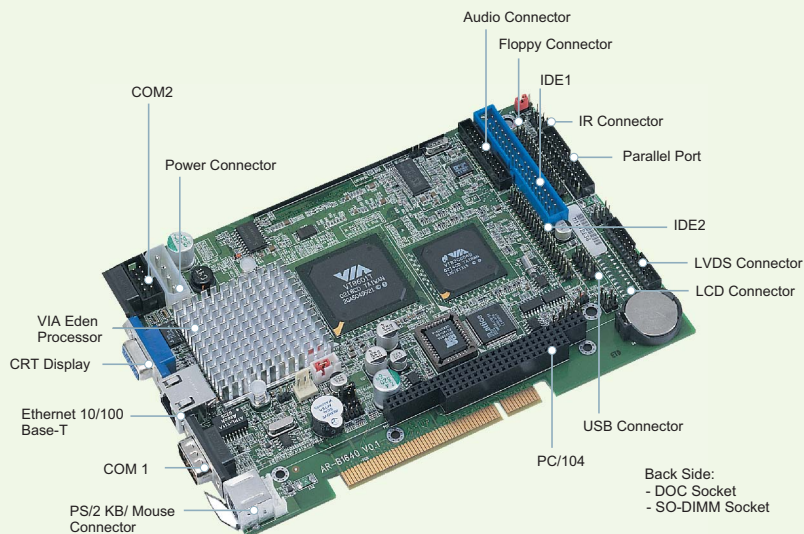


# AR-B1640

PCI(Half Size)



## Features

**PCI Half-Size VIA Eden/C3 SBC with VGA (CRT/LCD/LVDS), DOC, LAN, Audio(option)**

Fanless

VIA Eden

PCI/ISA

SDRAM

2 USB

LAN

2 COM

CF

DOC

Audio

LCD

AGP 4x

## Specification

### System:

|                       |  |
|-----------------------|--|
| CPU                   | On-board fanless VIA Eden 600MHz   |
| Chipset               | VIA VT8601T + VT82C686B  |
| System Memory         | One SO-DIMM socket supports up to 512MB PC133 SDRAM  |
| BIOS                  | AMI  |
| SSD                   | One DiskOnChip (DOC) socket, supports up to 256MB flash memory.<br>One Compact Flash Type I interface (AR-B9462C, Option ) |
| Watchdog Timer        | Software programmable 1~63 seconds   |
| Battery               | Lithium 3V/220mAH  |
| Power Requirement     | +5V and +12V, supports AT/ATX power function   |
| Dimension             | 185 mm x 125mm (7.3" x 4.8")   |
| Operating Temperature | 0~60°C(32~140°F)   |
| Storage Temperature   | -20~80°C(-4~176°F)   |
| Operating Humidity    | 0% ~ 90% Relative humidity non-condensing  |

### I/O:

|          |  |
|----------|--|
| Main IO  | 2xE-IDE (40pin/44pin, Ultra DMA 33/66), 1xFDD, 2xPS/2 (KB/Mouse), 1xRS-232C/485, 1xRS232C/Touch Screen |
| IrDA     | Yes  |
| Ethernet | Realtek RTL8100B (10/100Mbps Base-T, RJ45x1)   |
| Audio    | Optional audio module  |
| USB      | 2 (USB 1.1 compliant)  |

### Display:

|             |  |
|-------------|--|
| Chipset     | System chipset built-in AGP 4x graphic controller  |
| Memory Size | Shared system memory 2~8MB   |
| Resolution  | Up to 1280x1024x18-bit   |
| Interface   | CRT-D-SUB 15-pin female connector<br>18-bit for TTL LCD Panel<br>18-bit for LVDS LCD Panel |

### Packing list

|              |                       |
|--------------|-----------------------|
| 190030008    | 2.5" HDD Cable        |
| 190030271    | Keyboard+Mouse Cable  |
| 190030346-01 | 3.5" FDD Cable        |
| 190030363-02 | 3.5" HDD ATA100 Cable |
| 190030385    | COM+LPT Cable         |

### Packing list

Utility CD, Manual

## Ordering Information

### Standard:

|           |   |
|-----------|---|
| AR-B1640  | PCI Half-Size VIA Eden 600MHz SBC with VGA (CRT/LCD/LVDS), DOC, LAN |
| AR-B1640A | PCI Half-Size VIA C3 1.0GHz SBC with VGA (CRT/LCD/LVDS), DOC, LAN   |

### Optional:

|              |   |
|--------------|---|
| 010020212    | AR-B9462C, IDE to Compact Flash Adaptor |
| 190030419    | USB + Line-Out Cable                    |
| 190030343-01 | USB Cable                               |
| 010040183    | AR-IPC3SP/B 3-Slot PCI Bus              |
| 010040089    | AR-IPC4SP/F 4-Slot PCI Bus              |
| 010040192    | AR-IPC4DC/B 3-Slot PCI Bus              |
| 010040194    | AR-IPC4DC/C 4-Slot PCI Bus              |
| 010080268-01 | AR-B9425A V1.4                          |
| 190030132    | Audio Transfer Board Cable              |

Specifications are subject to change without notice.