

# IBX-650A

**Intel® ULV Celeron® M 1GHz Fanless  
Embedded System**



**Fanless**

## Features

- ◆ ULV Intel® Celeron® M 1 GHz zero cache with 852GM chipset
- ◆ One 2.5" hard drive bay and one CompactFlash slot
- ◆ VESA and DIN mount compatible design

## Specifications

|                              |                                                         |
|------------------------------|---------------------------------------------------------|
| <b>SBC</b>                   | ENANO-8523-1GZ-R10                                      |
| <b>CPU</b>                   | ULV Intel® Celeron® M 1 GHz zero L2 cache               |
| <b>Chipset</b>               | Intel® 852GM + ICH4                                     |
| <b>System Memory</b>         | Pre-installed 200-pin 512 MB 266 MHz DDR SO-DIMM        |
| <b>Display</b>               | CRT interface integrated in 852GM with one VGA port     |
| <b>Ethernet</b>              | 1 x 10/100Mbps Intel® 82562ET LAN                       |
| <b>Audio</b>                 | 1 x line-in, 1 x line-out, 1 x spk-out                  |
| <b>USB</b>                   | 3 x USB2.0                                              |
| <b>Serial Port</b>           | 3 x RS-232                                              |
| <b>LED</b>                   | Power, HDD                                              |
| <b>Switch</b>                | Power, reset                                            |
| <b>Storage</b>               | 1 x CompactFlash slot, 1 x 2.5" IDE hard drive          |
| <b>Chassis Construction</b>  | Aluminum alloy with heavy duty metal                    |
| <b>Power in</b>              | 12 VDC in with DC jack                                  |
| <b>Operating Temperature</b> | With CompactFlash: 0~50°C, with hard drive: 0~45°C      |
| <b>Operating Shock</b>       | Half-sine wave shock 3G; 11ms, 3 shock per axis         |
| <b>Operating Vibration</b>   | MIL-STD-810F 514.5C-1(HDD) / MIL-STD-810F 514.5C-2(CFD) |
| <b>Weight (Net / Gross)</b>  | 2.75 kg / 4.1 kg                                        |
| <b>Dimensions (DxWxD)</b>    | 170 mm x 210.2 mm x 68.75 mm                            |
| <b>Mounting</b>              | VESA 75 mount / DIN mount (with optional DIN mount kit) |
| <b>EMC</b>                   | CE / FCC class A                                        |

## Storage Devices

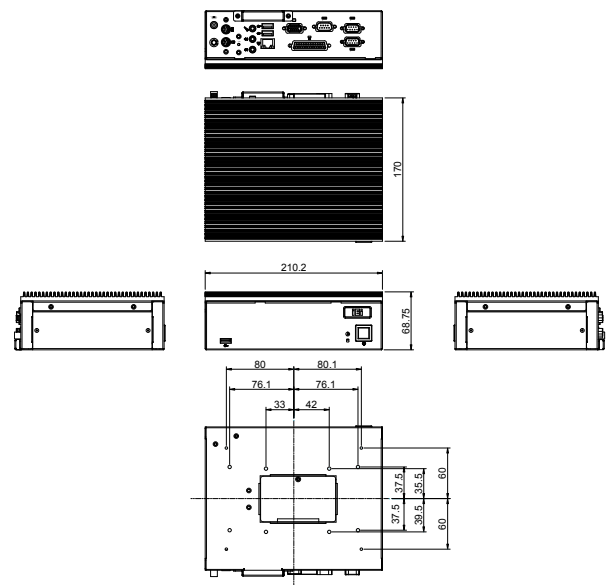


- 1 x CompactFlash slot
- Front-accessible with I/O cover



- 1 x 2.5" HDD drive bay
- IDE interface only

## Dimensions (unit:mm)



## Ordering Information

| Part No.                   | Description                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IBX-650A-R10/512MB</b>  | Fanless embedded system with ENANO-8523, Intel® 852GM, ULV Intel® Celeron® M 1 GHz zero cache CPU, FSB 400 MHz, 1x Intel® 82526ET 10/100M LAN, with 512 MB DDR266 memory, 55 W power adaptor, 12 VDC, black, RoHS                                |
| <b>IBX-650AW-R10/512MB</b> | Fanless embedded system with ENANO-8523, Intel® 852GM, ULV Intel® Celeron® M 1 GHz zero cache CPU, FSB 400 MHz, 1x Intel® 82526ET 10/100M LAN, VIA 802.11b/g wireless module, with 512 MB DDR266 memory, 55 W power adaptor, 12 VDC, black, RoHS |