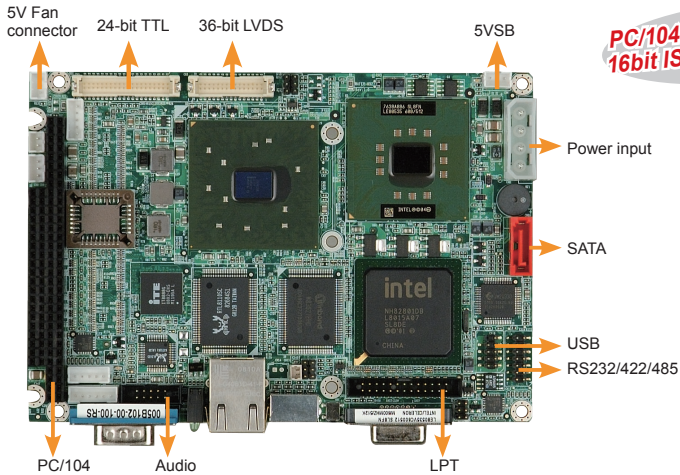


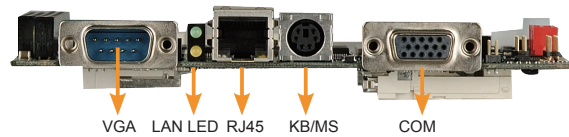
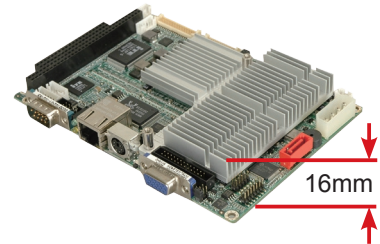
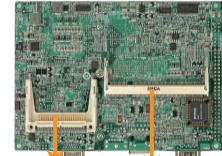
# WAFER-8523

3.5" SBC with Intel® Celeron® M CPU with VGA/LVDS/TTL, GbE, USB 2.0 and Audio



PC/104 expansion support  
16bit ISA DMA

Solder Side



## Specifications

<b>CPU</b>	On-board ULV Intel® Celeron® M processor with a 400MHz FSB
<b>System Chipset</b>	Intel® 852GM + ICH4
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	One 200-pin 200/266MHz DDR SDRAM SO-DIMM supported (system max. 1GB)
<b>Ethernet</b>	One Realtek RTL8110SC GbE chipset
<b>I/O Interface</b>	1 x RS-232 1 x RS-232/422/485 2 x USB 2.0 1 x SATA (JMICRON JM20330, IDE to SATA) 1 x LPT 1 x PS/2 for KB/MS 1 x CF Type II
<b>Expansion</b>	PC/104 for 16 Bit ISA DMA support
<b>Infrared interface</b>	1 x Infrared by pin header
<b>Super I/O</b>	ITE IT8718
<b>Display Interface</b>	VGA Integrated in Intel® 852GM 18-bit Dual channel LVDS 24-bit TTL LCD supported
<b>Audio</b>	Realtek ALC655 with AC'97 codec
<b>Watchdog Timer</b>	Software programmable supports 1 ~255 sec. System reset
<b>Power Supply</b>	5V only or 5V/12V, AT/ATX support
<b>Power consumption</b>	5V@2.93A (Intel® Celeron® M 1GHz/ without L2 Cache, 512MB DDR400) 5V@2.57A (Intel® Celeron® M 600MHz, 512MB DDR400)
<b>Temperature</b>	operation: 0 ~ 60°C ( 32 ~ 140°F)
<b>Humidity</b>	operation: 5% ~95 non-condensing
<b>Dimension</b>	146 mm x 102 mm
<b>Weight</b>	GW: 670g; NW: 240g

## Ordering Information

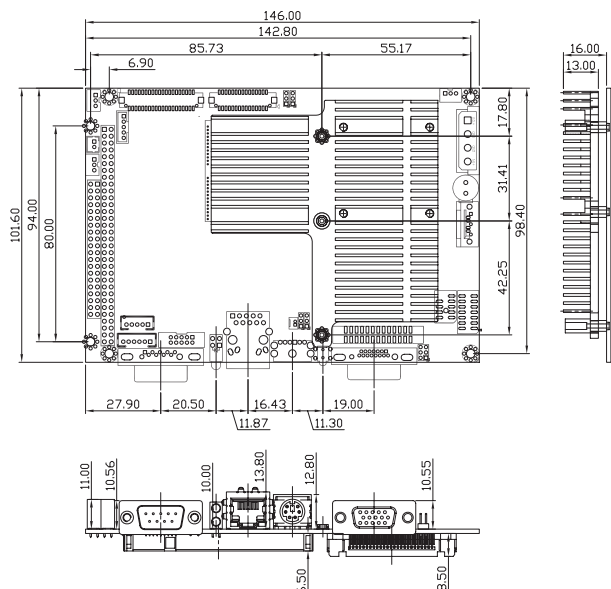
Part No.	Description
<b>WAFER-8523-600-R10</b>	3.5" SBC with ULV Intel® Celeron® 600MHz 512K cache CPU with VGA/LVDS/TTL, GbE, USB 2.0, SATA and Audio
<b>WAFER-8523-1GZ-R10</b>	3.5" SBC with ULV Intel® Celeron® 1GHz zero cache CPU with VGA/LVDS/TTL, LAN, USB 2.0, SATA and Audio
<b>32200-015100-RS</b>	LPT Cable
<b>32100-088600-RS</b>	SATA Power cable
<b>32200-026500-RS</b>	RS-232/422/485 cable



## Features

- 3.5" Form Factor with ULV Intel® Celeron® M processor
- Low profile heat sink for fan-less solution
- Supports up to 1GB of 266/200MHz single channel DDR memory
- Support dual independent display for CRT LVDS, CRT+TTL
- PC/104 support for 16 Bit ISA DMA
- Support 2x USB 2.0, 1x SATA, 1x CF
- Rear I/O location same as WAFER-9371A

## Dimensions (mm)



## Packing List

1 x WAFER-8523 Single Board Computer
1 x SATA cable (P/N: 32000-062800-RS)
1 x Audio cable (P/N: 32000-072100-RS)
1 x Mini Jumper Pack (P/N: 33100-000033-RS)
1 x KB/MS Y cable (P/N: 32000-000138-RS)
1 x USB cable (P/N: 32000-073400-RS)
1 x Utility CD
1 x QIG