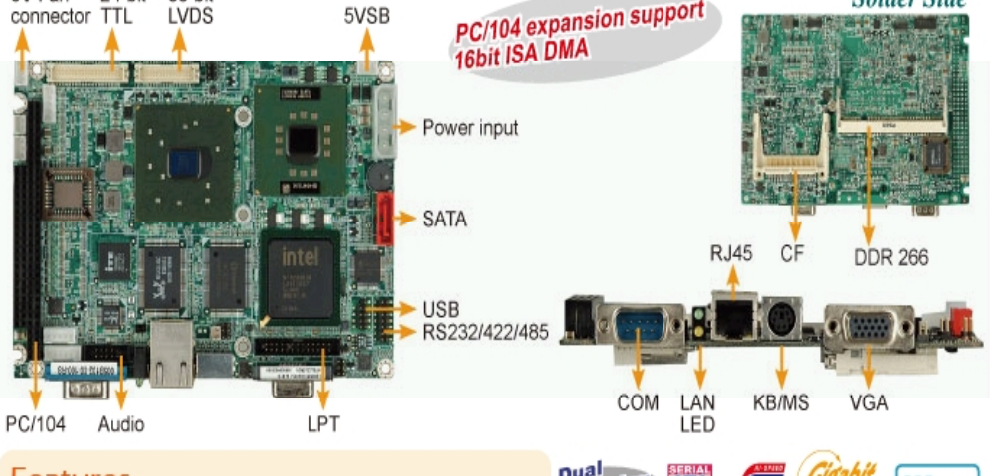


WAFER-8523

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



Features

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

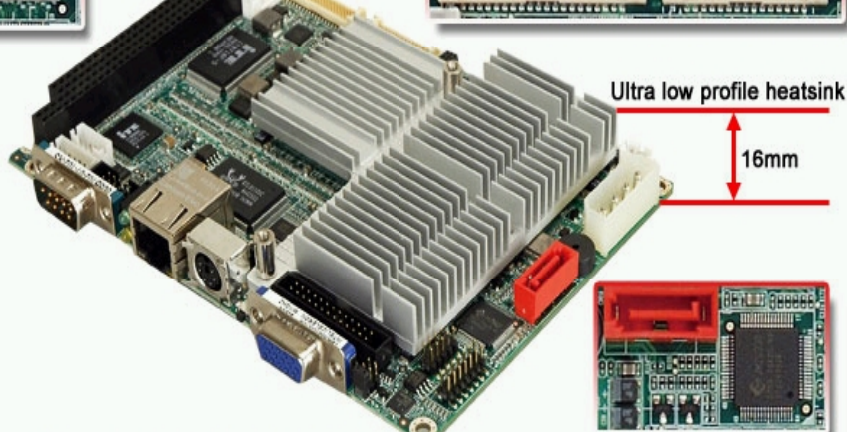
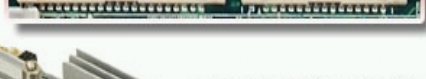
Dual Display SERIAL ATA USB GIGABIT Ethernet DDR 266

Complete IO Interface

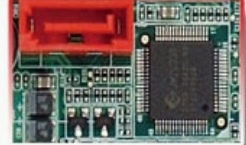


16-bit ISA support via PCI to
ISA bridge ITE IT8888G

Build-in TTL LCD interface.
Support Dual independent Display by VGA+TTL or
VGA + LVDS



Ultra low profile heatsink
16mm

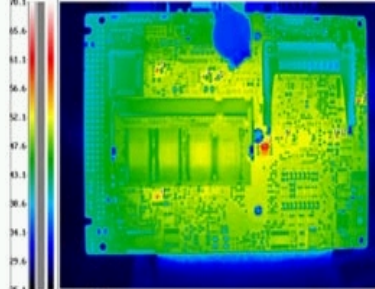
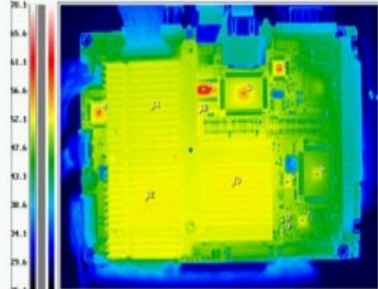


Provide SATA Interface via
IDE to SATA Controller

Rear I/O same as WAFER-9371A

▲TOP

Fanless Solution



Fanless with low profile heatsink

▲TOP

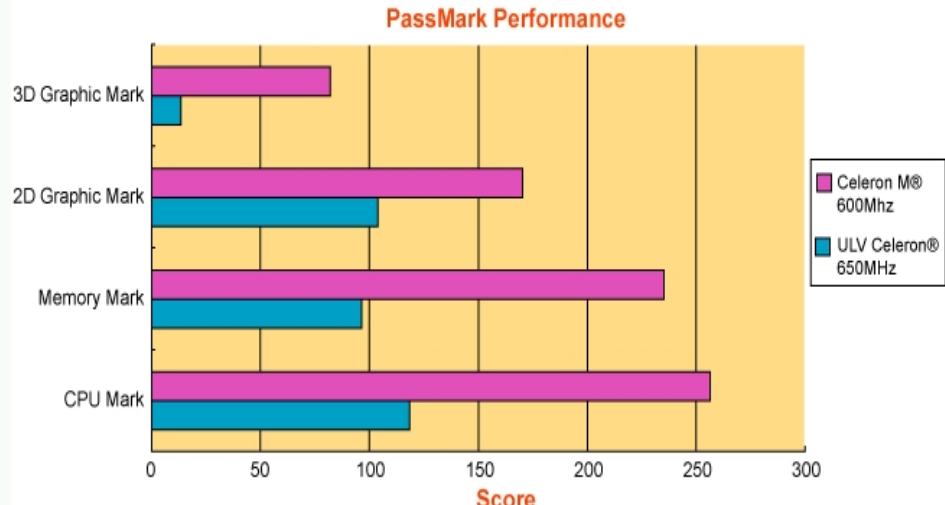
WAFER-8523 V.S WAFER-9371A Specifications Comparison Table

Model Name	WAFER-8523-600-R10 WAFER-8523-1GZ-R10	WAFER-9371A-R11
CPU	On-board Intel® Celeron® M 1GHz / Zero Cache On-board Intel® Celeron® M 600 MHz / 512KB Cache	On-board Intel® Celeron® 400MHz On-board Intel® Celeron® 6500MHz
NB	Intel 852GM/ICH4	VIA VT8606T/VT82C686B
Display	Analog CRT / 36-bit LVDS / 24-bit TTL Dual display for CRT / LVDS or CRT/TTL	Analog CRT / 36-bit LVDS / 18-bit TTL
Memory	1 x DDR 266 SODIMM socket support up to 1GB	1 x PC100/133 SODIMM socket support up to 512MB
BIOS	AMI BIOS Label	AMI BIOS Label
Audio	AC'97 Codec by Realtek ALC655	AC'97 Codec by Realtek ALC655
LAN	Realtek 8110SC for GbE	Realtek 8100CL for 10/100Mbps
COM	1 x RS232, 1 x RS232/422/485	1 x RS232, 1 x RS232/422/485
USB2.0	2 x USB 2.0	2 x USB 1.1
IDE/CF	1 x CFII	1 x IDE, 1 x CFII
LPT	1 x LPT	1 x LPT / 1 x FDD
SATA	1 x SATA	N/A
KB/MS	PSII type (1x6 Pin header)	PSII type (1x6 Pin header)
WDT	Bysupper I/O	By VT82C686B
Extension	1 x PC/104 (by ITE 8888), 16bit ISA DMA support	1 x PC/104, 16bit ISA DMA support
IrDA	Bysupper I/O	By VT82C686B
Digital I/O	8-bit support 4 input/4 output	8-bit support 4 input/4 output
Power	5V only or 5V/12V, AT/ATX Power support 5V@2.57A (Intel® Celeron M® 600MHz, 512MB DDR400)	5V only or 5V/12V, AT/ATX Power support 5V@2.01A (Intel® Celeron® 400MHz/256MB, PC/133)

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Performance

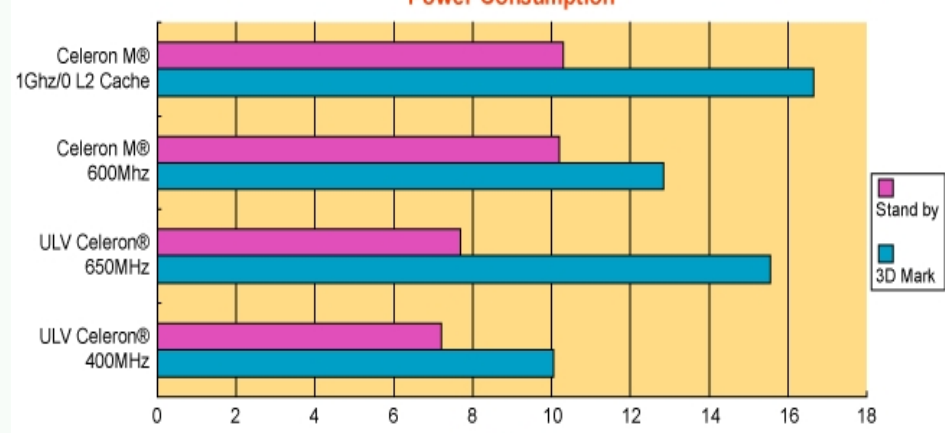
PassMark Performance



▲TOP

Power Consumption

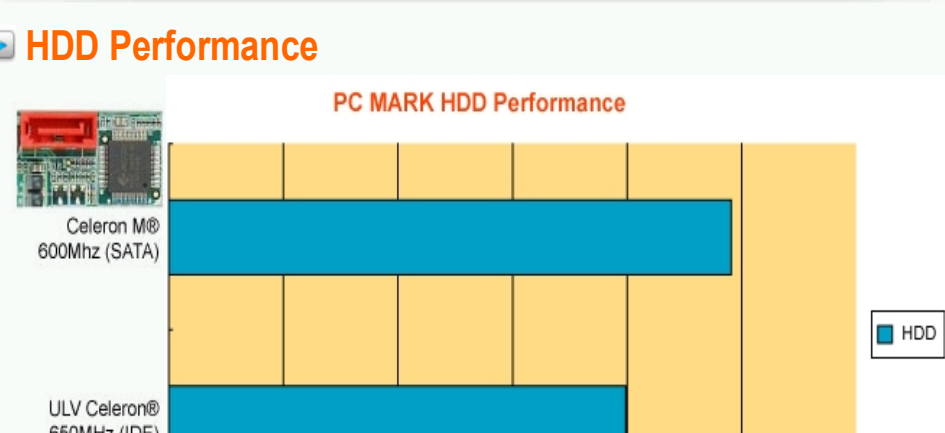
Power Consumption



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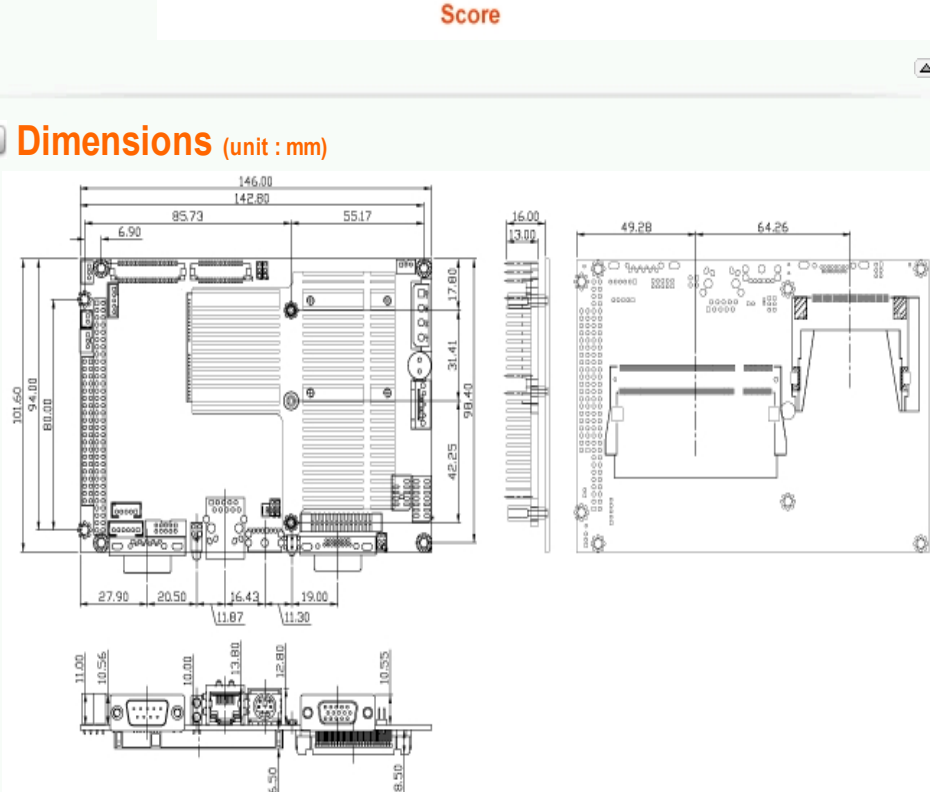
HDD Performance

PC MARK HDD Performance



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Dimensions (unit : mm)



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Packing List

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

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Ordering Information

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

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