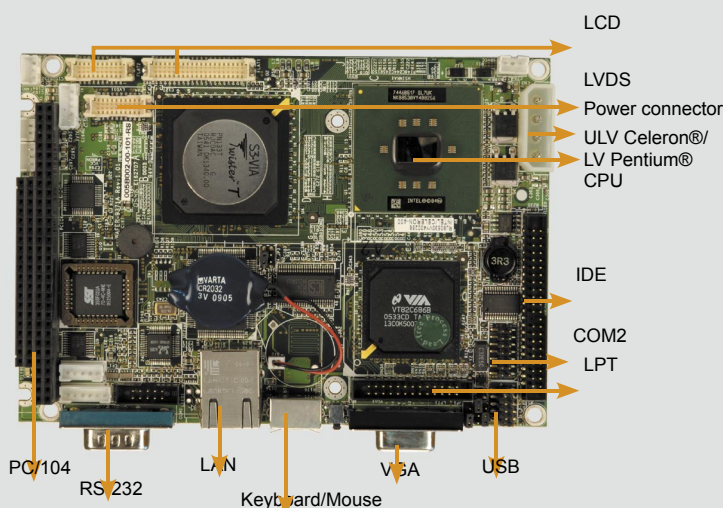


WAFER-9371A

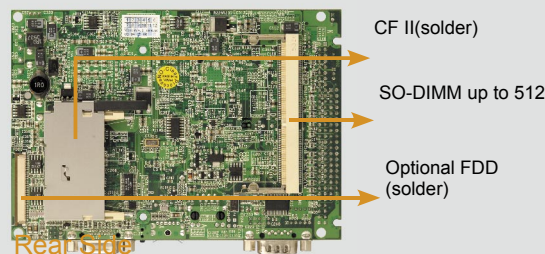
Easy Maintenance,
Space Saving, Never Fan failure !

**3.5" ULV Intel® Celeron® SBC with Onboard CPU,
Audio, VGA/LCD and LAN**



Feature

1. RoHS compliance
2. Embedded Intel® Ultra Low Voltage Celeron® Processor
3. Fanless solution
4. Dual channel LVDS interface
5. CF II, PC-104 extension slot



- Optional 1 : Socket Battery
Option 2 : Wide LCD screen support service

Specification

◆ CPU

ULV Intel® Celeron® 400MHz
ULV Intel® Celeron® 650MHz (optional)

2nd Cache Memory

- ◆ 256 KB for Celeron® / 512 KB for Pentium® III

System Chipset

- ◆ VIA VT8606 + VIA VT82C686B

BIOS

- ◆ AMI BIOS

System Memory

- ◆ 144-pin PC100/133 SO-DIMM SDRAM up to 512MB

Ethernet

- ◆ Chipset : Realtek 8100C
Speed : 10/100 Mbps
Standard : Supports Full Duplex Flow Control (IEEE 802.3x)

I/O

- ◆ I/O Interface

2 x USB
1 x EIDE
1 x CF
1 x FDD
1 x KB/MS
1 x RS-232
1 x RS-232/422/485
1 x LPT

Audio

AC'97 Codec ALC655 5.1CH

IrDA

115kbps. IrDA 1.1 compliant

Display

- ◆ Graphic Controller

VIA VT8606 Twister chip with Integrated S3 Savage4, support CRT and LVDS display.

Memory Size

8/16/32 MB frame buffer shared with system memory

Resolution

CRT : 1280 x 1024 @ 60Hz ; 1024 x 768 @ 85Hz
LCD : 1280 x 1024 @ 60Hz ; 1024 x 768 @ 60Hz

LCD Interface

AGPx4 VGA/LCD interface. Support 18, 24, 36bit panels up to SXGA quality.

LVDS Interface

Dual Channel (2 x 18-bit) LVDS interface

Watchdog Timer

- ◆ Software programmable supports 1~255 sec. system reset

Power Supply

- ◆ +5 V ± 5%

Power Consumption

- ◆ 5V@2.01A (Celeron® 400MHz with PC100/133 256MB RAM)

Temperature

- ◆ operation: 0 ~ 60° C (32 ~ 140° F)

Humidity

- ◆ operation: 0% ~ 90% Relative Humidity

Dimension

- ◆ 145 mm x 102 mm (5.7" x 4")

Weight

- ◆ 0.24kg (board only)/0.67kg (total package)



Ultra Low Voltage

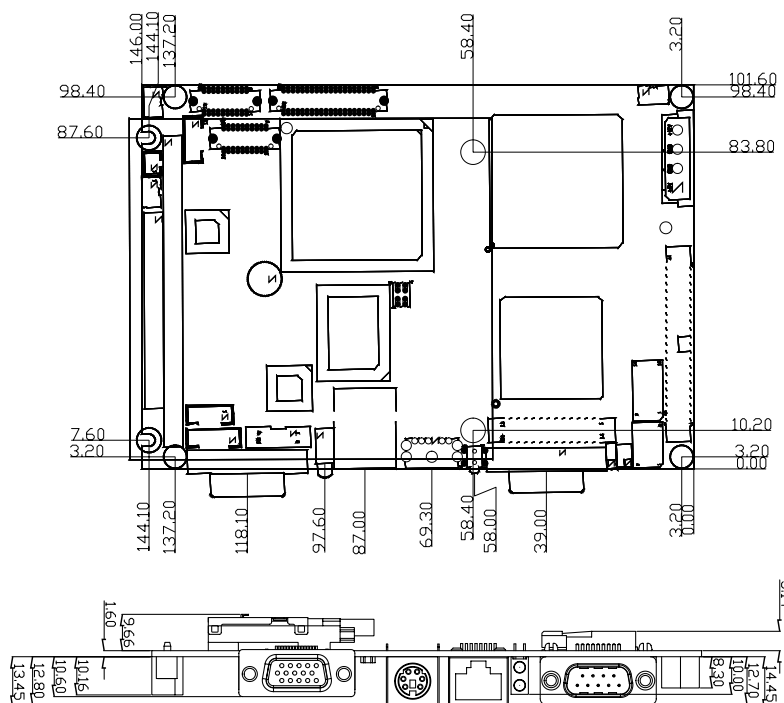
The Ultra Low Voltage Intel® Celeron® processor has a typical power dissipation of 3.4 watts and a maximum power dissipation of 4.2 watts. The lower wattage enables the processor to decrease the overall thermal dissipation of the system so that it can operate under restricted heat and space constraints, including fan-less environments. Like all processors in Intel® embedded processor family, the Ultra Low Voltage Intel® Celeron® processor comes with extended product lifecycle support.

- Low Power Consumption

Fanless embedded system solution of high performance

Celeron® Regular	23.5W
Celeron® Low Voltage	11W
Celeron® Ultra Low Voltage	5W

- 32-KB non-blocking, level 1 (L1) cache.
Two Blocks of 16-KB L1 cache for instructions and data.
- 256-KB non-blocking integrated L2 cache.
Advanced Transfer Cache (ATC) has a high bandwidth 256-bit interface and CPU synchronous frequency enhanced by micro-architectural technology.



Packing List

1 x WAFER-9371A	1 x Mini Jumper Pack
1 x IDE flat cable 44p/40p/40p	1 x Keyboard/ PS2 mouse cable
1 x Second serial port cable	1 x Parallel port cable
1 x Audio cable	1 x USB cable
1 x User manual	1 x Utility CD
1 x QIG (quick installation guide)	

Ordering Information

Part No.	Description
WAFER-9371A-R10	ULV Intel® Celeron® 3.5" SBC w/400 MHz CPU, VGA/LCD, LVDS, Ethernet, Audio
WAFER-9371A-650-R10 (Optional)	ULV Intel® Celeron® 3.5" SBC w/650 MHz CPU, VGA/LCD, LVDS, Ethernet, Audio
WAFER-9371A-CENET5.0 (Free NRE Charge)	ULV Intel® Celeron® 3.5" SBC w/400 MHz CPU, VGA/LCD, LVDS, Ethernet, Audio, IFM32MB, WinCE5.0 Image
WAFER-9371A-WINXPE (Free NRE Charge)	ULV Intel® Celeron® 3.5" SBC w/400 MHz CPU, VGA/LCD, LVDS, Ethernet, Audio, IFM512MB, WinXPE Image
Optional FDD Function	Optional FDD function without FDD cable for all WAFER-9371A
32400-001100-RS	FDD Cable (100 mm FDD cable)
32200-015100-RS	LPT cable