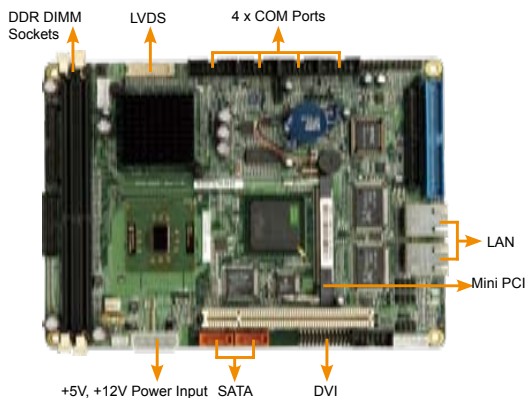


# NOVA-8522G2

5.25" Intel® Pentium® M/ Celeron® M CPU with VGA/LVDS, VGA, Dual GbE, USB2.0 and Audio



## Solder Side



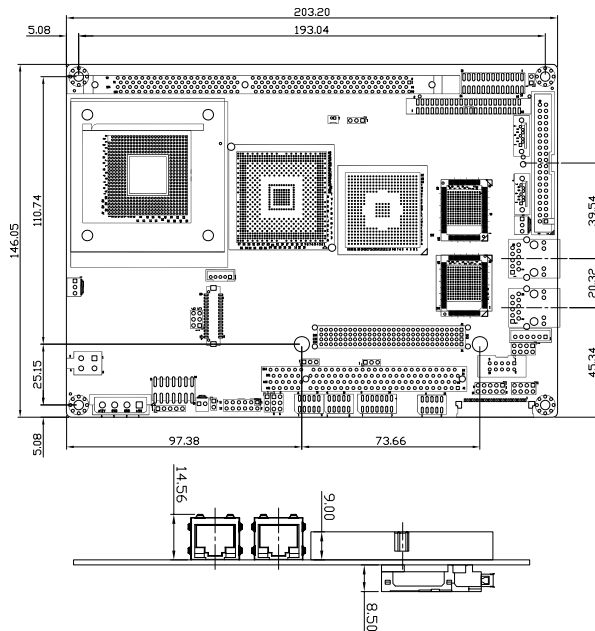
## Specifications

- ◆ **CPU**  
Intel® Celeron® M 600MHz 512K cache/ 1GHz zero cache CPU  
Socket 479 Intel® Pentium® M 400MHz /Celeron® M 400 MHz FSB support up to 2.1GHz
- ◆ **System Chipset**  
Intel® 852GM + ICH4
- ◆ **BIOS**  
AMI BIOS
- ◆ **System Memory**  
2 x 184-pin DDR 266MHz up to 2GB
- ◆ **Ethernet**  
Dual RTL8110SC GbE chipsets or Dual Intel® 82541PI GbE chipsets
- ◆ **I/O Interface**  
2 x IDE  
2 x SATA with SIL3512 RAID 0,1 function support  
1 x FDD  
1 x LPT  
1 x PS/2 for KB/MS  
3 x RS-232  
1 x RS-232/422/485  
6 x USB 2.0  
1 x CF Type II
- ◆ **Audio**  
Realtek ALC655 with AC'97 codec
- ◆ **Expansions**  
1 x PCI  
1 x Mini PCI
- ◆ **Digital I/O**  
8-bit digital I/O, 4-bit input/ 4-bit output by super I/O
- ◆ **IrDA**  
By pin header (SIR mode)
- ◆ **Super I/O**  
W83627HG
- ◆ **Display Interface**  
VGA integrated in Intel® 852GM  
18-bit dual channel LVDS  
DVI by Chrontel CH7301
- ◆ **Watchdog Timer**  
Software programmable supports 1-255 sec. system reset
- ◆ **Power Supply**  
AT/ATX support
- ◆ **Power Consumption**  
5A@4.10A, +12V@2.36A  
(Intel® Celeron® M 1.6G, 400MHz with 2 x DDR333 512MB RAM)
- ◆ **Temperature**  
Operation: 0°C ~ 60°C (32 ~ 140° F)
- ◆ **Humidity**  
Operation: 5% ~ 95%, non-condensing
- ◆ **Dimensions**  
203 mm x 146 mm
- ◆ **Weight**  
GW: 1000 g; NW: 400 g

## Features

1. Intel® Pentium® M/ Celeron® M CPU with 400MHz FSB
2. VGA integrated in i852GM and dual channel 18-bit LVDS support
3. Independent dual display support
4. Dual DDR 266MHz support up to 2GB
5. Support PCI and mini PCI
6. CF Type II, LAN, USB2.0, COM and Audio integrated

## Dimensions



## Ordering Information

Part No.	Description
NOVA-8522G2-R10	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400MHz, Dual GbE, SATA and Audio
NOVA-8522G2-600-R10	5.25" SBC Intel® Celeron® M 600MHz 512K Cache Processor, Dual GbE, SATA and Audio
NOVA-8522G2-1GZ-R10	5.25" SBC, Intel® Celeron® M 1GHz Zero Cache Processor, Dual GbE, SATA and Audio
NOVA-8522G2-DVI-R10	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400MHz, Dual GbE, SATA, Audio and DVI Function
NOVA-8522G2-600-DVI-R10	5.25" SBC, Intel® Celeron® M 600MHz 512K Cache Processor, Dual GbE, SATA, Audio and DVI Function
NOVA-8522G2-1GZ-DVI-R10	5.25" SBC, Intel® Celeron® M 1GHz Zero Cache Processor, Dual GbE, SATA, Audio and DVI Function
NOVA-8522G2N-R10	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400MHz, Dual GbE, SATA and Audio
NOVA-8522G2N-DVI-R10	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400MHz, Dual Intel GbE, SATA, Audio and DVI Function
CF-479B-RS	CPU Cooler
32200-000058-RS	FDD Cable
32200-015100-RS	LPT Cable
32100-052100-RS	ATX Power Cable

## Packing List

- 1 x NOVA-8522 Single Board Computer
- 1 x IDE Flat Cable 40P/40P/40P (P/N: 32200-000052-RS)
- 1 x KB/PS2 Mouse Cable (P/N: 32000-043301-RS)
- 1 x Audio Cable (P/N: 32000-028800-RS)
- 2 x SATA Cable (P/N: 32000-062800-RS)
- 1 x SATA Power Cable (P/N: 32100-088600-RS)
- 1 x VGA Cable (P/N: 32000-033800-RS)
- 3 x Single RS-232 Cable (P/N: 32200-000015-RS)
- 1 x RS-232/422/485 Cable (P/N: 32200-000063-RS)
- 1 x Pitch USB Cable (P/N: 32000-044300-RS)
- 1 x Mini Jumper Pack
- 1 x Utility CD
- 1 x QIG (Quick Installation Guide)
- 1 x IO-KIT-001A-R20 (DVI model only)