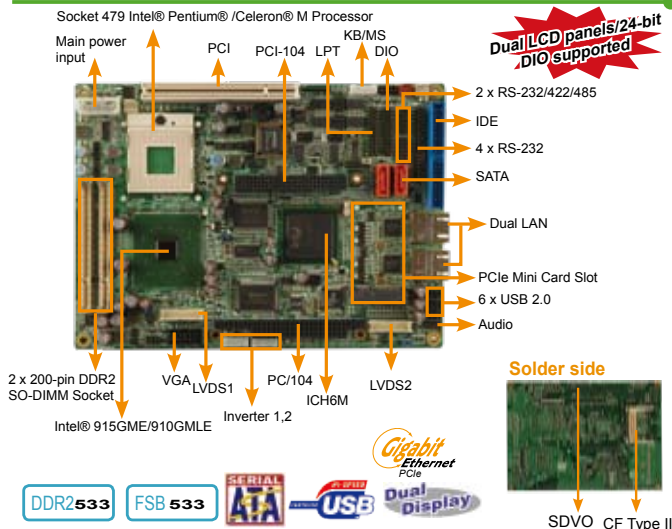


## NOVA-9152/9102

5.25" SBC, Intel® Pentium® M/ Celeron® M CPU with VGA/ LVDSx2, Dual PCIe GbE, USB 2.0, SATA and Audio



## Features

1. Intel® Pentium® M / Celeron® M with 533/400 MHz FSB
2. Dual-channel DDR2 533/400 MHz up to 2GB
3. Support VGA, dual-channel 18-bit/ 24-bit LVDS with dual display support
4. 4 x RS-232, 6 x USB 2.0, 2 x RS-232/422/485 and 2 x SATA
5. Supports 24-bit digital I/O

## Specifications

- ◆ CPU  
Socket 479 Intel® Pentium® M, Celeron® M processor with a 533/400 MHz FSB  
On board Intel® Celeron® M 1GHz zero cache or 1GHz 512KB cache processor
- ◆ System Chipset  
Intel® 915GME + ICH6-M  
Intel® 910GMLE + ICH6-M
- ◆ BIOS: AMI Flash BIOS
- ◆ System Memory  
Two 200-pin 533/400MHz DDR2 SDRAM SO-DIMM supported (NOVA-9152 system max. 2GB)  
Two 200-pin 400MHz DDR2 SDRAM SO-DIMM supported (NOVA-9102 system max. 2GB)
- ◆ Ethernet  
Dual Realtek RTL8111CP GbE controller
- ◆ I/O Interface  
4 x RS-232  
2 x RS-232/422/485  
6 x USB 2.0  
2 x SATA  
1 x IDE  
1 x LPT  
1 x 6-pin header for KB/MS
- ◆ Expansions  
1 x PCI  
1 x PCIe mini card slot  
1 x PC/104+
- ◆ Digital I/O  
24-bit digital I/O, 12-bit input/ 12-bit output
- ◆ Infrared Interface  
by pin header
- ◆ Super I/O  
Winbond W83627EHG
- ◆ Display Interface  
VGA Integrated in Intel® 915GME/910GMLE  
1st: Dual-channel 18/24-bit LVDS by Intel® 915GME/910GMLE (NOVA-9152/9102 series)  
2nd: Dual-channel 18/24-bit LVDS by Chrontel CH7308 via SDVO bus (NOVA-9152LVDS2 only)
- ◆ Optimal External Audio kit  
5.1 channel audio kit with Realtek ALC655 AC'97 codec
- ◆ SSD  
CF type I/II
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply  
AT/ATX Power
- ◆ Power Consumption  
12V@1.43A, 5V@ 0.505A(Intel® Pentium® M 2.0GHz CPU with 1GB DDR2 400 MHz)
- ◆ Temperature  
Operating: 0°C ~ 60°C ( 32°F ~ 140°F)
- ◆ Humidity  
Operating: 5% ~95% non-condensing
- ◆ Dimensions: 203 mm x 146 mm
- ◆ Weight: GW: 1100 g / NW: 400 g
- ◆ 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
- ◆ Infrared Interface  
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, 400 MHz with 2 x DDR333 512MB RAM)
- ◆ Temperature  
Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity: Operating: 5% ~ 95%, non-condensing
- ◆ Dimensions: 203 mm x 146 mm
- ◆ Weight: GW: 1000 g; NW: 400 g

## Packing List

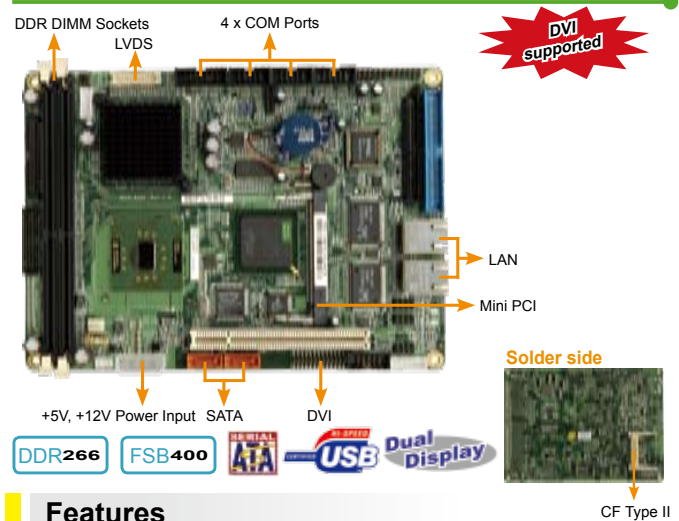
1 x NOVA-9152/NOVA-9102 single board computer	1 x Mini jumper pack
1 x ATA66 flat cable (P/N: 32200-000052-RS)	2 x SATA cable (P/N: 32000-0628000-RS)
1 x SATA power cable (P/N: 32100-088600-RS)	1 x VGA cable (P/N: 32000-033800-RS)
1 x KB/MS Y cable (P/N: 32000-023800-RS)	1 x USB cable (P/N: 32000-044300-RS)
1 x 4 ports RS-232 adapter cable (P/N: 32100-147900-RS)	
1 x Utility CD	1 x QIG

## Ordering Information

Part No.	Description
NOVA-9152-R10	5.25" SBC, Intel® Pentium® M/ Celeron® M CPU with VGA/ LVDS, Dual PCIe GbE, USB 2.0, SATA and Audio
NOVA-9152LVDS2-R10	5.25" SBC, Intel® Pentium® M/ Celeron® M CPU with VGA/ LVDSx2, Dual PCIe GbE, USB 2.0, SATA and Audio
NOVA-9102-1GZ-R10	5.25" SBC with Intel® Celeron® M 1GHz zero cache CPU with VGA/ LVDS, Dual PCIe GbE, USB 2.0, SATA and Audio
NOVA-9102-1G512-R10	5.25" SBC with Intel® Celeron® M 1GHz 512KB cache CPU with VGA/ LVDS, Dual PCIe GbE, USB 2.0, SATA and Audio
IO-KIT-4COM-R10	4 COM Ports Adapter Board
CF-479B-RS	CPU cooler
32200-015100-RS	LPT cable
32100-052100-RS	ATX power cable
32200-026500-RS	RS-232/422/485 cable
AC-KIT08R-R10	5.1 channel AC'97 Audio Kit with realtek ALC655 codec

## NOVA-8522G2-R11

5.25" SBC, Intel® Pentium® M/ Celeron® M CPU with VGA/LVDS, VGA, Dual GbE, USB 2.0 and Audio



## Features

1. Intel® Pentium® M/ Celeron® M CPU with 400 MHz FSB
2. VGA integrated in Intel® 852GM and dual-channel 18-bit LVDS support
3. Independent dual display support
4. Dual DDR266 MHz support up to 2GB
5. Support PCI and mini PCI
6. CF Type II, LAN, USB 2.0, COM and Audio integrated

## Specifications

- ◆ CPU  
Socket 479 Intel® Pentium® M, Celeron® M processor with a 400MHz FSB  
On board Intel® Celeron® M 600MHz 512KB or 1GHz zero cache processor
- ◆ System Chipset  
Intel® 852GM + ICH4
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
Two 184-pin 266/200 MHz DDR SDRAM DIMM supported (system max. 2GB)
- ◆ Ethernet  
Dual RTL8110SC GbE chipsets or Dual Intel® 82541PI GbE chipset
- ◆ 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
- ◆ Infrared Interface  
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, 400 MHz with 2 x DDR333 512MB RAM)
- ◆ Temperature  
Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity: Operating: 5% ~ 95%, non-condensing
- ◆ Dimensions: 203 mm x 146 mm
- ◆ Weight: GW: 1000 g; NW: 400 g

## Packing List

1 x NOVA-8522 Single board computer	1 x KB/PS2 Mouse Cable (P/N: 32000-043301-RS)
1 x IDE Flat cable 40P/40P/40P (P/N: 32200-000052-RS)	1 x IO-KIT-001A-R20 (DVI model only)
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

## Ordering Information

Part No.	Description
NOVA-8522G2-R11	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400 MHz, Dual GbE, SATA and Audio
NOVA-8522G2-600-R11	5.25" SBC Intel® Celeron® M 600MHz 512K Cache Processor, Dual GbE, SATA and Audio
NOVA-8522G2-1GZ-R11	5.25" SBC, Intel® Celeron® M 1GHz Zero Cache Processor, Dual GbE, SATA and Audio
NOVA-8522G2-DVI-R11	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400 MHz, Dual GbE, SATA, Audio and DVI Function
NOVA-8522G2-600-DVI-R11	5.25" SBC, Intel® Celeron® M 600MHz 512K Cache Processor, Dual GbE, SATA, Audio and DVI Function
NOVA-8522G2-1GZ-DVI-R11	5.25" SBC, Intel® Celeron® M 1GHz Zero Cache Processor, Dual GbE, SATA, Audio and DVI Function
NOVA-8522G2N-R11	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400 MHz, Dual GbE, SATA and Audio
NOVA-8522G2N-DVI-R11	5.25" SBC Intel® Pentium® M/ Celeron® M Processor FSB 400 MHz, 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