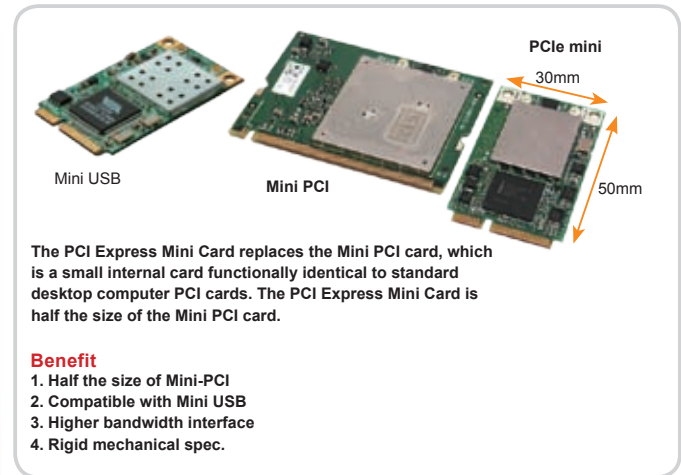
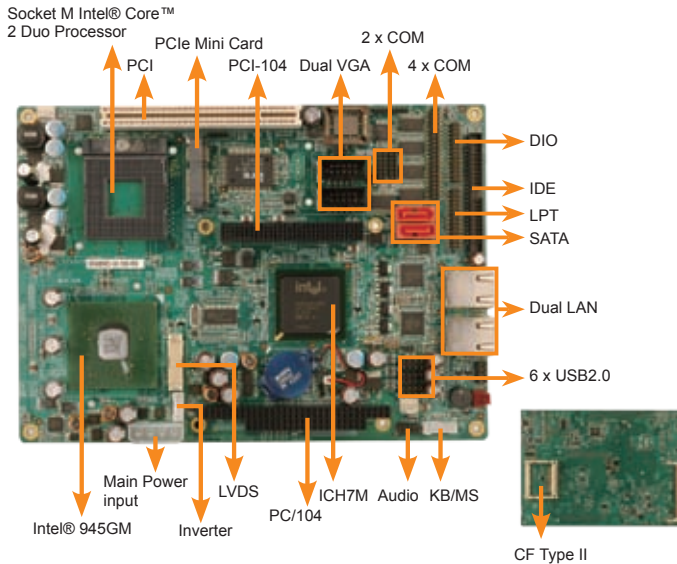


# NOVA-9452

5.25" SBC, Intel® Core™2 Duo CPU with Dual VGA, LVDS, Dual PCIe GbE, USB 2.0 and SATA



## Specifications

- ◆ CPU  
Socket M Intel® Core™2 Duo, Core™ Duo/Solo with 677MHz FSB or Intel® Celeron® M 533MHz FSB (Yonah Core)
- ◆ System Chipset  
Intel® 945GM + ICH7M
- ◆ BIOS  
AMI Flash BIOS
- ◆ System Memory  
1 x 200-PIN Single channel DDRII 400/533/667 MHz up to 2GB
- ◆ Ethernet  
Dual Broadcom BCM5787M PCIe GbE chipsets
- ◆ 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 KB/MS (by pin header)
- ◆ Expansion  
1 x PCI  
1 x PCIe Mini Card Slot  
1 x PC/104 + (ISA+PCI Bus)
- ◆ Digital I/O  
24-bit digital I/O, 12-bit input/ 12-bit output
- ◆ IrDA  
by super I/O
- ◆ Super I/O  
ITE IT8712F-S
- ◆ Display Interface  
1st VGA output Integrated in Intel® 945GM  
2nd VGA through SDVO by Chrontel CH7317A(NOVA-9452VGA-R10 only)  
Dual display independent by VGA1+VGA2 or VGA1+LVDS or VGA2+LVDS  
18-bit Dual channel LVDS
- ◆ Audio  
5.1 channel audio kit with Realtek ALC655 AC'97 codec  
7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
- ◆ SSD  
CF type I/II
- ◆ Watchdog Timer  
Software programmable supports 1 ~255 sec. System reset
- ◆ Power Supply  
AT/ATX Power
- ◆ Power consumption  
5V@3.81A, 12V@2.42A(Intel® Core™2 Duo T7400 2.16GHz/667MHz CPU with 512MB DDR2 667MHz)
- ◆ Temperature  
operation: 0°C ~ 60°C ( 32°F ~ 140°F)
- ◆ Humidity  
operation: 5% ~95%non-condensing
- ◆ Dimension  
203mm x 146mm
- ◆ Weight  
GW: 850 g / NW: 290 g



## Features

1. Intel® Core™2 Duo CPU with 667MHz FSB
2. Single channel DDRII 400/533/667 MHz up to 2GB
3. Support Dual VGA, 18-bit Dual Channels LVDS with dual display support
4. 6 x RS-232, 6 x USB 2.0 and 2 x SATA
5. 24-bit digital I/O

## Packing List

1 x NOVA-9452 Single Board Computer
1 x Mini Jumper Pack
1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS)
2 x SATA Cable (P/N: 32000-062800-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
2 x VGA Cable (P/N: 32000-033800-RS)
1 x KB/MS Y cable (P/N: 32000-023800-RS)
2 x RS-232/422/485 cable (P/N: 32200-026500-RS)
1 x 4 Ports RS-232 Adapter cable (P/N:32100-147900-RS )
3 x USB Cable (P/N: 32000-044300-RS)
1 x Utility CD
1 x QIG

## Ordering Information

Part No.	Description
NOVA-9452-R10	5.25" SBC, Intel® Core™2 Duo CPU with VGA, LVDS, Dual PCIe GbE, USB 2.0 and SATA
NOVA-9452VGA-R10	5.25" SBC, Intel® Core™2 Duo CPU with Dual VGA, LVDS, Dual PCIe GbE, USB 2.0 and SATA
AC-KIT08R-R10	5.1 channel AC' 97 Audio Kit with Realtek ALC655 codec
AC-KIT-883HD-R10	7.1 channel HD Audio Kit with Realtek ALC883 codec support dual audio streams
IO-KIT-4COM-R10	4 COM Ports Adapter Board
CF-479B-RS	CPU Cooler (50mm x 50mm x 26mm, 50W)
32200-00017-RS	LPT cable