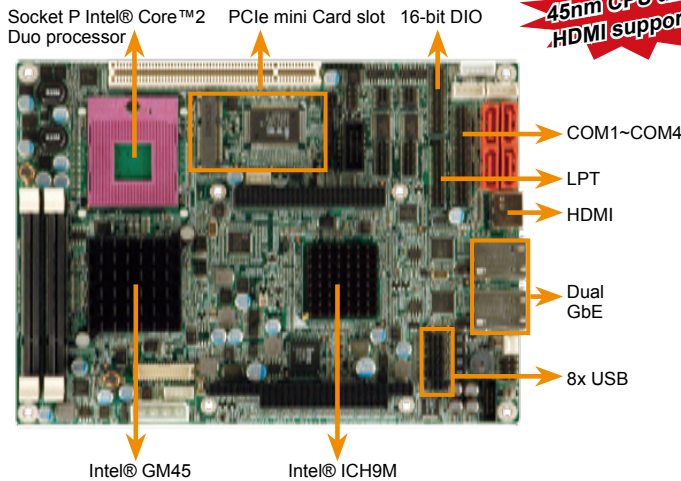


NOVA-GM45A

5.25" SBC with Socket P for Intel 45nm mobile Core 2 Duo Penryn CPU, VGA/HDMI/LVDS, Dual PCIe GbE, USB2.0, PCIe mini, SATA II and Audio

NEW
12V Only



Generation	Core™2 Duo		
	65nm	65nm	45nm
FSB	533 / 667 MHz	667 / 800 MHz	800 / 1066MHz
Architecture	Merom	Merom	Penryn
	Socket M	Socket P	Socket P
TDP	34W	35W	29W
Platform	945GME	GME965	GM45

NOVA-9452

NOVA-GM45A

DDR2 800



One Key Recovery

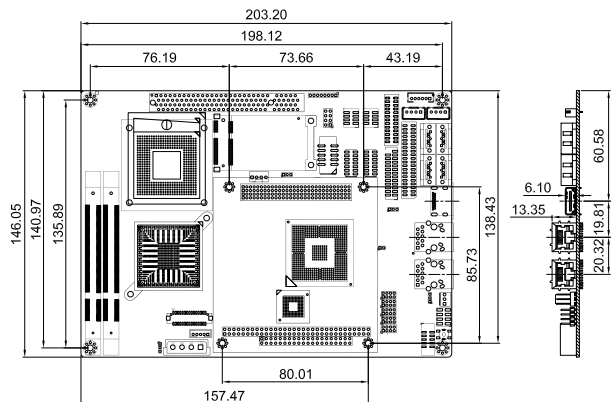
Specifications

- ◆ CPU
Socket P Intel® 45nm Core™ 2 Quad/Duo processor with 1066/800/667MHz FSB
- ◆ FSB
667/800/1066MHz
- ◆ System Chipset
Intel® GM45+ICH9M
- ◆ Memory
Two 200-pin 800/667 MHz DDR2 SDRAM SO-DIMM supported (system max. 4GB)
- ◆ BIOS
AMI BIOS Label
- ◆ Graphic
Intel® GMA4500MHD
- ◆ Display Output
VGA integrated in the Intel®GM45 support up to QXGA
1 x 18/24-bit dual-channel LVDS
1 x HDMI output resolution supports up to 1080p resolution
- ◆ LAN
Dual Realtek RTL8111CP PCIe GbE controllers
- ◆ I/O interface
4 x RS232
2 x RS232/422/485
8 x USB 2.0
1 x LPT
4 x SATA II
1 x KB/MS (by 6-pin header 2.00mm pitch)
- ◆ Digital I/O
16-bit digital I/O, 8-bit input / 8-bit output
- ◆ Extension
1 x PCI slot
1 x PC/104+ (ISA+PCI bus)
1 x PCIe mini card slot (USB+PCIe signal)
- ◆ FAN connector
1 x 4-pin CPU Fan
1 x 3-pin System Fan
- ◆ Super I/O
ITE IT8718F
- ◆ Audio
Realtek ALC888 HD Codec
- ◆ Watchdog Timer
Software Programmable support 1~255 sec. System reset
- ◆ Power
+12V only, AT/ATX power support
- ◆ Power Consumption
12V@5.76A ((2.26GHz Intel® Core2 Quad Q9100 with a 1066MHz FSB and two 2GB 800MHz DDR2 SO-DIMM running 3D Mark2001SE)
- ◆ Temperature
Operation: 0°C ~ 60°C (32 ~ 140°F)
- ◆ Humidity
Operation: 5% ~ 95%, non-condensing
- ◆ Dimensions
203 mm x 146 mm
- ◆ Weight
GW: 850g / NW:290g

Features

1. Socket P for Intel® 45nm mobile Core™2 Quad/Duo CPU with a 1066MHz FSB. Up to 800MHz DDR2 memory support
2. Intel® GMA X4500 for DX10, Shader Model 4.0, high performance MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC) support
3. VGA, LVDS and HDMI display output interfaces supported
4. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Packing List

1 x NOVA-GM45A single board computer	
2 x SATA 5V power output cable kit (P/N: 32801-000100-100-RS)	
1 x Quad ports RS-232 adapter cable (P/N: 32100-147900-RS)	
1 x Audio Cable (P/N: 32000-072100-RS)	
1 x KB/MS Y cable (P/N: 32000-023800-RS)	1 x VGA cable (P/N: 32000-033800-RS)
1 x USB cable (P/N: 32000-070301-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
NOVA-GM45A-R10	5.25" SBC with Socket P for Intel 45nm mobile Core 2 Duo Penryn CPU, VGA/HDMI/LVDS, Dual PCIe GbE, USB2.0, SATAII and Audio
CB-USB02A-RS	Dual USB cable with bracket
32102-000100-100-RS	SATA Power cable
32102-000100-200-RS	SATA Power cable
32200-026500-RS	RS-232/422/485 cable
CF-479B-RS	CPU cooler (50mm x 50mm x 26mm, 50W)
CF-479F-RS	CPU cooler (50mm x 50mm, 45W)
SAIDE-KIT01-R10	SATA to IDE/CF converter board
WMPCIE-V01-R10	PCIe mini card wireless LAN module
WMUSB-V01-R10	USB mini card wireless LAN module
32200-015100-RS	LPT cable