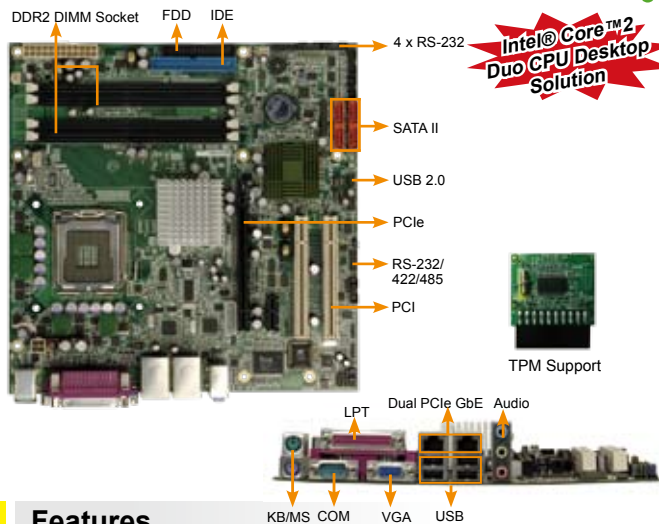


# IMB-9454G-R20

micro-ATX Motherboard with Intel® Core™2 Duo, Pentium® 4/ Pentium® D/ Celeron® D FSB 533/800/1066 MHz CPU, VGA, Dual PCIe GbE, SATA II, USB 2.0, 6 COM, & Audio



## Features

1. Intel® Core™2 Duo, Pentium® 4/ Pentium® D/ Celeron® D CPU support up to FSB 533/800/1066 MHz
2. VGA integrated in Intel® 945G
3. Dual-channel DDR2 533/667MHz support up to 4GB
4. FDD, LPT, 4 x SATA II, 8 x USB 2.0 and 6 x COM

## Specifications

- ◆ CPU  
LGA 775 Intel® Core™2 Duo, Pentium® 4/ D/Celeron® D with 533/800/1066 MHz FSB
- ◆ System Chipset  
Intel® 945G + ICH7
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
4 x 240-pin Dual-channel DDR2 533/667MHz up to 4GB
- ◆ Ethernet  
Dual PCIe Broadcom BCM5787M GbE chipset with ASF2.0 support.
- ◆ I/O Interface  
8 x USB 2.0  
1 x LPT  
5 x RS-232, 1 x RS-232/422/485  
1 x 20-pin LPC for TPM  
2 x PS/2 for KB/MS  
1 x IDE
- ◆ Expansions  
1 x PCIe x 16 (Support PCIe x1/16 PCIe add on cards)  
1 x PCIe x 1  
2 x PCI
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Infrared Interface  
1x Infrared Interface by pin header
- ◆ Super I/O  
ITE IT8712F
- ◆ Audio  
Realtek ALC655 with AC'97 codec
- ◆ Display  
VGA Integrated in Intel® 945G
- ◆ Watchdog Timer  
Software programmable 1-255 sec. by super I/O
- ◆ Power Supply  
ATX power supply
- ◆ Power Consumption  
5V@2.09A, 12V@8.9A, 3.3V@3.6A, 5VSB@0.67A (Pentium® 4 3.2GHZ, DDR2 533 512MB\*4)
- ◆ Temperature  
Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity  
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions  
244 mm x 244 mm
- ◆ Weight  
GW: 1200 g; NW: 680 g

## Packing List

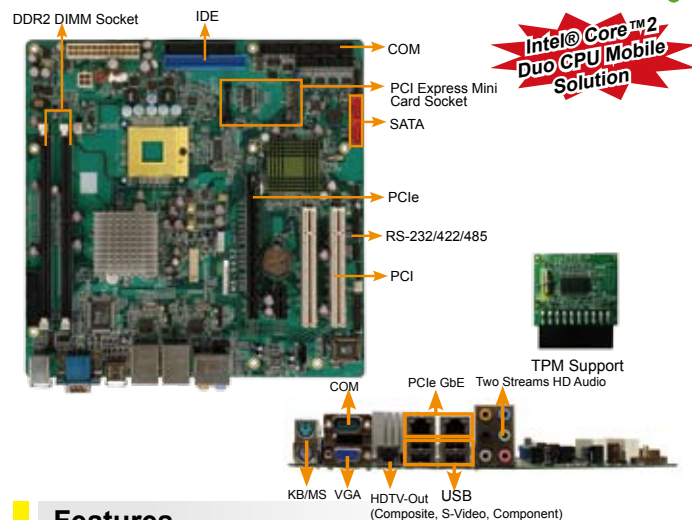
1 x IMB-9454G Single board computer	
2 x Dual RS-232 Cable (P/N: 19800-000112-RS)	
1 x SATA Power Cable (P/N: 32100-088600-RS)	
1 x IDE Cable (P/N:32200-000052-RS)	
2 x SATA Cable (P/N: 32000-062800-RS)	
1 x I/O Shielding (P/N: 45014-0017C0-00-RS)	
1 x Mini Jumper Pack	
1 x Utility CD	1 x QIG

## Ordering Information

Part No.	Description
IMB-9454G-R20	micro-ATX Motherboard, Core™2 Duo CPU 800/1066/1333 MHz FSB with VGA, Dual PCIe GbE, SATA II, COM and Audio
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual USB Cable
CB-USB14-RS	Four USB Cable
19800-000063-RS	RS-422/485 Cable
TPM-WI01-R10	20-pin WINBOND TPM Module, S/W Management
TPM-IN01-R10	20-pin INFINEON TPM Module, S/W Management
SDVO-100VGA-R10	PCIe x16 VGA Output SDVO Card supports dual display (IEI CPU board only)
SDVO-100DVI-R10	PCIe x16 DVI Output SDVO Card supports dual display (IEI CPU board only)
CF-775A-RS/ CF-520-RS	CPU cooler

# IMB-9452-R20

micro-ATX Motherboard with Intel® Core™2 Duo, Core® Duo/Solo 667MHz FSB CPU, VGA, Dual PCIe GbE, SATA, USB 2.0, 6 COM and Audio



## Features

1. Intel® Core™2 Duo, Core Duo/ Solo with 667 MHz FSB CPU support
2. Support 1080i HDTV-Out, Dual-channel LVDS, VGA and SDVO cards
3. Dual DDR2 400/533/667 MHz DIMM socket support up to 4GB
4. FDD, LPT, SATA, IDE, USB 2.0 and COM

## Specifications

- ◆ CPU  
Socket M Intel® Core™2 Duo, Core Duo/ Solo with 667 MHz FSB  
Intel® Celeron M 533MHz FSB
- ◆ System Chipset  
Intel® 945GME + ICH7-M (82801GBM/GHM)
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
2 x 240-pin dual-channel DDR2 400/533/667 MHz up to 4GB
- ◆ Ethernet  
Dual Broadcom BCM5787M GbE Chipset (LAN1 with ASF2.0 remote control support)
- ◆ I/O Interface  
6 x USB 2.0  
1 x RS-232/422/485  
1 x FDD  
2 x SATA  
1 x Infrared Interface
- ◆ Expansions  
1 x PCIe x16 (Support PCIe x1/16 PCIe add on cards)  
1 x PCIe x1  
1 x PCI Express Mini Card socket  
2 x PCI
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Super I/O  
ITE IT8712F
- ◆ HD Audio  
Realtek ALC883 HD Audio codec with 2 streams audio support
- ◆ Display Interface  
VGA Integrated in Intel® 945GME  
Support HDTV resolution up to 1080i by component interface  
24-bit dual-channel LVDS
- ◆ Watchdog Timer  
Software programmable 1-255 sec. by super I/O
- ◆ Power Supply  
AT/ATX support
- ◆ Power Consumption  
5V@1.52A, 12V@1.76A, 3.3V@3.04A, 5VSB@0.32A (Core® Duo 2.16GHZ, DDR2 1GB\*2)
- ◆ Temperature  
Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity  
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions  
244 mm x 244 mm
- ◆ Weight  
GW: 1200 g; NW: 700 g

## Packing List

1 x IMB-9452 Single board computer	
2 x Dual RS-232 Cable (P/N: 19800-000113-RS)	
1 x IDE Cable (P/N: 32200-000052-RS)	
1 x SATA Power Cable (P/N: 32100-088600-RS)	
2 x SATA Cable (P/N: 32000-062800-RS)	
1 x HDTV out cable (P/N: 32000-083100-RS)	
1 x I/O Shielding (P/N: 45002-4520C0-00-RS)	
1 x Mini Jumper Pack	
1 x Utility CD	1 x QIG

## Ordering Information

Part No.	Description
IMB-9452-R20	micro-ATX Motherboard with Intel® Core Duo/Core Solo 667MHz Processor, LVDS/TV, Dual PCIe GbE, SATA and Audio
19800-000063-RS	Single RS-422/485 Cable
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual USB Cable
CB-USB14-RS	Four USB Cable
TPM-WI01-R10	20-pin WINBOND TPM Module, S/W Management
TPM-IN01-R10	20-pin INFINEON TPM Module, S/W Management
SDVO-100VGA-R10	PCIe x16 VGA Output SDVO Card supports dual display (IEI CPU board only)
SDVO-100DVI-R10	PCIe x16 DVI Output SDVO Card supports dual display (IEI CPU board only)
CF-479B-RS	CPU cooler