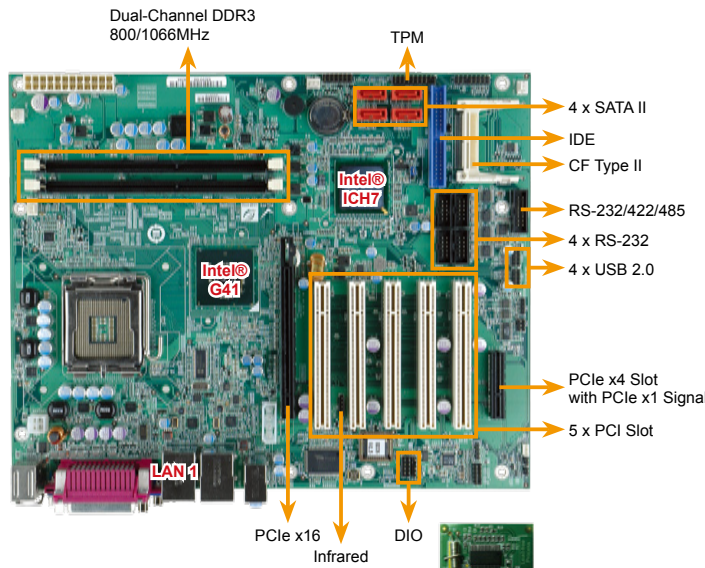


# IMBA-G410

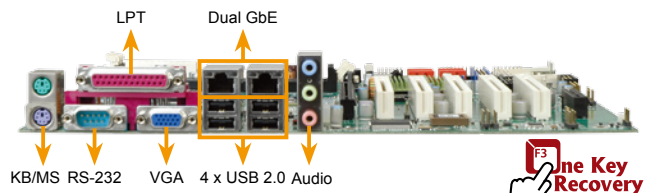
ATX Motherboard supports Intel® LGA775 Core 2 Duo/Quad with FSB 800/1066/1333MHz processor including VGA, PCIe x16, PCIe x4 (x1 signal), PCI, Dual PCIe GbE, USB 2.0, COM, CF, SATA II and Audio, RoHS



**Support Quad Core CPU  
DDR3 Memory**

### Comparison Table for New Upgrade Model

IEI Solution	IMBA-G410	IMBA-9454
CPU Socket	LGA 775	
CPU Type	Intel® Core™2 Quad / Duo	Intel® Core™2 Duo
FSB	1333/1066/800MHz	1066/800/533MHz
Chipset	Intel® G41	Intel® 945G
Memory	2 x 240-pin dual-channel DDR3 800/1066MHz up to 8GB	4 x 240-pin dual-channel DDR2 667/533/400MHz up to 4GB
Graphic Engine	Intel® GMA X4500	Intel® GMA 950



## Specifications

- ◆ CPU  
LGA775 45nm Intel® Core™2 Quad, Core™2 Duo, Pentium® D, Celeron® at FSB 800/1066/1333MHz processors
- ◆ System Chipset  
Intel® G41+ICH7
- ◆ Memory  
Two 240-pin 4GB (max.) 800/1066MHz dual-channel DDR3 SDRAM DIMM supported (System max. 8GB)
- ◆ BIOS  
UEFI BIOS
- ◆ Ethernet  
Dual Realtek RTL8111E PCIe GbE controllers, LAN 1 with ASF2.0 support
- ◆ Display Interface  
Intel® GMA X4500  
Supports DirectX 10 / OpenGL 1.5  
VGA display supports analog CRT up to 2048x 1536 @ 75MHz
- ◆ Super I/O  
Fintek F81865
- ◆ Audio  
Realtek ALC888 HD audio codec
- ◆ I/O Interface
 

5 x RS-232	1 x RS-232/422/485 with Auto Flow control
8 x USB 2.0	1 x LPT
1 x IDE	2 x PS/2 KB/MS
4 x SATA II	1 x CF Type II slot
- ◆ TPM  
2 x 10-pin header
- ◆ Infrared Interface  
1 x 5-pin header
- ◆ Expansion  
1 x PCIe x16 slot (support PCIe x1/x16 PCIe add-on card and SDVO card)  
1 x PCIe x4 slot (with x1 signal)  
5 x PCI Slot
- ◆ Watchdog Timer  
Software programmable support 1~255 sec. system reset
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input / 4-bit output
- ◆ FAN Connector  
1 x 4-pin CPU fan connector  
3 x 3-pin system fan connector
- ◆ Power Supply  
ATX power supply
- ◆ Power Consumption  
12V@4.80A, -12V@0.06A, 5V@5.45A, 3.3V@0.16A  
(Intel® Q9550 2.83GHz with 2GB 1333MHz DDR3 Memory)
- ◆ Temperature  
Operation: -10°C ~ 60°C
- ◆ Humidity  
Operation: 5% ~ 95%, non-condensing
- ◆ Dimensions  
244mm x 305mm
- ◆ Weight  
GW: 1200g / NW: 650g

TPM 1.2 Support



## Features

1. Supporte Intel® Core™2 Quad/ Core™2 Duo/ Pentium®4/ Celeron® processor
2. Dual channel DDR3 1066MHz supports up to 8GB
3. Intel® GMA X4500 delivers an excellent blend of graphics performance
4. TPM V1.2 hardware security function supported by TPM module
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Packing List

1 x IMBA-G410 single board computer	
2 x Dual RS-232 cable (P/N: 19800-000113-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	
2 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x Mini jumper pack	1 x QIG

## Ordering Information

Part No.	Description
IMBA-G410-R10	ATX Motherboard supports Intel LGA775 Core 2 Duo/Quad with FSB 800/1066/1333MHz processor include VGA, PCIe x16, PCIe x4(x1 signal), PCI, Dual PCIe GbE, USB 2.0, COM, CF, SATA II and Audio, RoHS
32200-000052-RS	IDE cable
32102-000100-200-RS	SATA power cable
19800-000100-200-RS	Quad ports USB cable with bracket
CB-USB02-RS	Dual ports USB cable with bracket
19800-000058-RS	RS-232/422/485 cable
CF-775A-RS	CPU cooler for 130W
CF-520-RS-R11	CPU cooler for 115W
CF-775B-RS	1U CPU cooler for 90W
SDVO-100DVI-R10	PCIe x16 VGA Output SDVO card supports dual display (IEI CPU board only)
SDVO-100VGA-R10	PCIe x16 DVI Output SDVO card supports dual display (IEI CPU board only)
TPM-IN01-R11	20-pin INFINEON TPM Module, S/W management Tool, Firmware V3.17