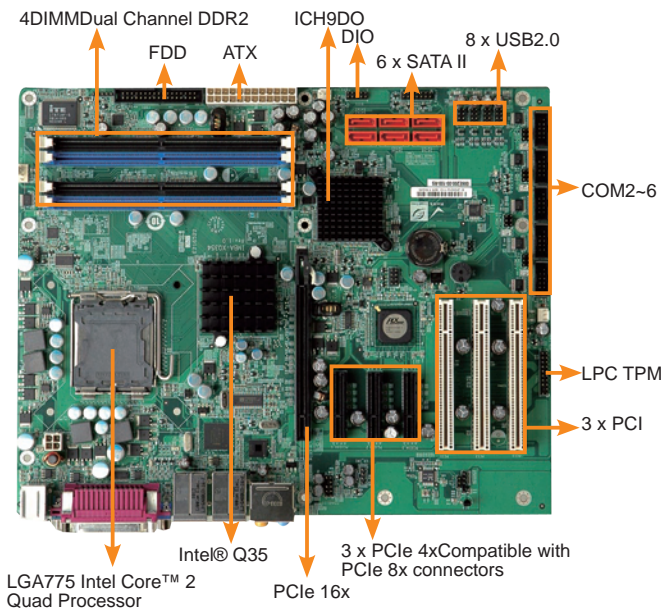


IMBA-XQ354

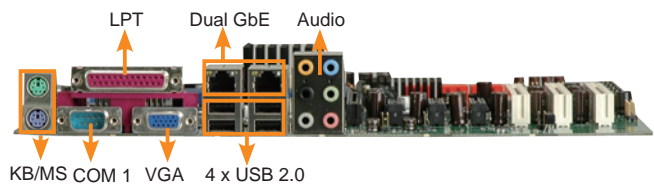
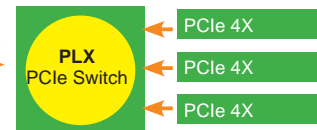
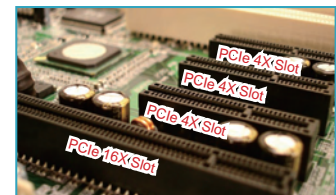
LGA 775 45nm Intel® core™2 Quad, Core™2 Duo, Celeron® CPU with a 1333/1066/800MHz FSB



Three Open PCIe 4x Slots for multi display graphic card, optical GbE LAN, SCSI, and RAID card applications.



PCIe 4X



Specifications

Form Factor	ATX from factor
CPU	LGA 775 45nm Intel® core™2 Quad, Core™2 Duo, Celeron® CPU with a 1333/1066/800MHz FSB
FSB	1333/1066/800MHz
System Chipset	Intel® Q35 Intel® ICH9DO
BIOS	AMI BIOS Label
Memory	4 x 240-pin 800/667 MHz dual-channel DDR2 SDRAM DIMM support up to 8GB
Graphic	Integrated Graphics Device from Q35
Display Output	Analog display (VGA)
Ethernet	Intel® 82566DM (PHY) + ICH9-DO (MAC) Intel® 82573L (MAC+PHY) Interface PCI-Ex1
Super IO	ITE IT8718F
KB/MS	1 x KB/MS
COM PORT	6 x RS-232 COM Port (2 by super IO, 4 by Fintek F81216DG)
LPT	1 x LPT
FDD	1 x FDD
USB	12 x USB 2.0
Audio	Realtek ALC888 HD Audio codec
SATA	6 x SATA II
Digital I/O	8-bit digital I/O 4-bit input/4-bit output
Expansion	1 x PCIe x 16 3 x PCIe x 4 (by PLX PEX8518) 3 x PCI
WDT	Software Programmable supports 1~255 sec. System reset
TPM	Support TPM1.2
Power Supply	ATX supported
FAN connector	1 x 4-pin CPU Fan and 2 x 3pin system fan
Power Consumption	3.3V@2.96A, 5V@6.92A, 12V@2.77A (Intel® Core™2 Duo E6850 CPU with 800MHz 8GB DDR2 DIMM)
Temperature	Operation: 0°C ~ 60°C (32°F ~ 140°F)
Humidity	Operation: 5% ~ 95%, non-condensing
Dimension	305 mm x 244 mm
Weight	GW:1200g, NW:600g



Intel® Matrix Storage Manager



DDR2 800 FSB 1333

Features

1. ATX form factor support Intel® Q35/ICH9DO Platform
2. Supports Intel® Core™2 Quad/Duo 45nm processor with 1333/1066/800Mhz FSB
3. PLX PCIe switch for 3x PCIe x4 add on Card
4. Six SATAII with Intel Matrix storage technology supported
5. Intel® PCIe GbE with iAMT 3.0 supported
6. TPM1.2 IT security solution supported

Packing List

- 1 x IMBA-XQ354 single board computer
- 2 x Dual RS-232 cable (P/N: 32200-004101-RS)
- 1 x RS232 cable (P/N: 32200-029400-RS)
- 6 x SATA cable (P/N: 32000-062800-RS)
- 1 x I/O shielding (P/N: 45002-450903-00-RS)
- 1 x Mini Jumper Pack
- 1 x Utility CD
- 1 x QIG

Ordering Information

Part No.	Description
IMBA-XQ354-R10	ATX Motherboard with Intel® LGA775, Core™2 Quad CPU, Celeron® with a 1333/1066/800Mhz FSB, PCIe x16, PCIe x4, PCIe GbE, SATAII and Audio
CB-USB02-RS	Dual USB cable
CB-USB14-RS	Four USB cable
CF-775A-RS/CF-520-RS	CPU cooler
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)