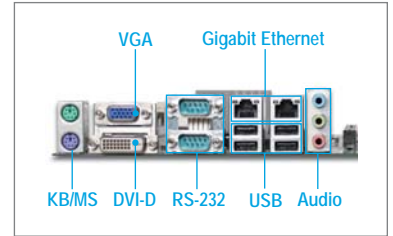
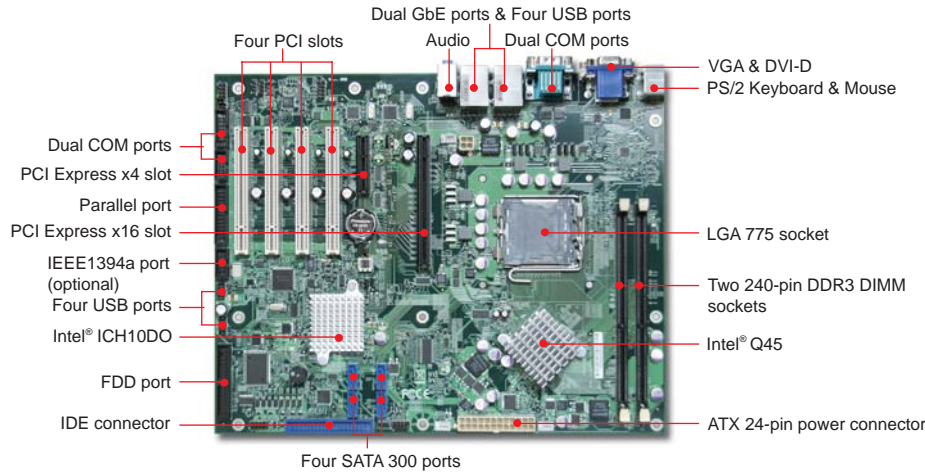




# RUBY-9911

Leading Intel® Core™ 2 Quad / Core™ 2 Duo Processor based ATX motherboard with Dual Display, Dual Gigabit Ethernet, Four SATA Ports, Four COM Ports, and Eight USB Ports



Rear I/O

## FEATURES

- Intel® Core™ 2 Quad / Core™ 2 Duo processor
- Intel® Q45 Express and ICH10DO chipset
- Two 240-pin DIMM sockets support dual channel DDR3 SDRAM up to 4GB
- Dual display: VGA / DVI-D, 3rd display via PCI or PCI-Express expansion slot
- Four SATA ports and One IDE connector
- Support RAID 0, 1, 5, 10 function
- One PCI-Express x16, One PCI-Express x 4 and Four PCI slots
- TPM 1.2 and iAMT 5.0 supported

## GENERAL

Processor	CPU & Package: Intel® Core™ 2 Quad / Core™ 2 Duo processor in LGA-775 package FSB: 1333/1066/800 MHz
Chipset/Core Logic	Intel® Q45 Express and ICH10DO
System Memory	Up to 4GB DDR3 800/1066MHz SDRAM on Two 240-pin DIMM sockets
BIOS	AMI BIOS
Storage Devices	EIDE: Support one EIDE devices with Ultra DMA 100/66/33 SATA: Support four SATA 300 drivers RAID: RAID 0/1/5/10
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 1 sec. to 255 min.
Expansion Interface	- One PCI-Express x16 slot - One PCI-Express x4 slot - Four 32-bit PCI expansion slots
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	TBD
Dimension	Dimension : 308.4(L) x 243.8(W) mm ; 12"(L) x 9.6"(W)
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 10% to 90%, non-condensing
MTBF	TBD

## ORDERING GUIDE

Standard	RUBY-9911 Intel® Core™ 2 Quad / Core™ 2 Duo processor ATX Motherboard
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- Specifications are subject to change without notice.
- Core™ 2 Quad and Core™ 2 Duo processor are registered trademarks of Intel® Corporation.
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## I/O

MI0	- Four serial ports( RS232 x 3, selectable RS232/422/485 x 1) - One D-SUB 15-pin and One D-SUB 24-pin at rear I/O panel - One Parallel, One FDD channel, 8 GPIO - One IEEE1394a (Optional)
IrDA	N/A
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet - Dual RJ-45 connector with two LED indicators at rear I/O panel
Audio	HD Audio interface, 2-channel Audio
USB	Eight USB ports (Four ports at rear I/O panel ; Four ports internal)
Keyboard & Mouse	PS/2 keyboard/mouse at rear I/O panel

## DISPLAY

Chipset	Intel® Q45 Integrated Intel® Gen 5.0 GMA 4500 Graphics
Display Memory	Intel® Dynamic Video Memory Technology (Intel® DVMT 5.0)
Resolution	Up to 2048 x1536 @ 75 Hz (XGA)
DVI	DVI-D interface



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