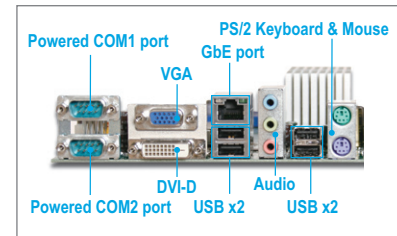
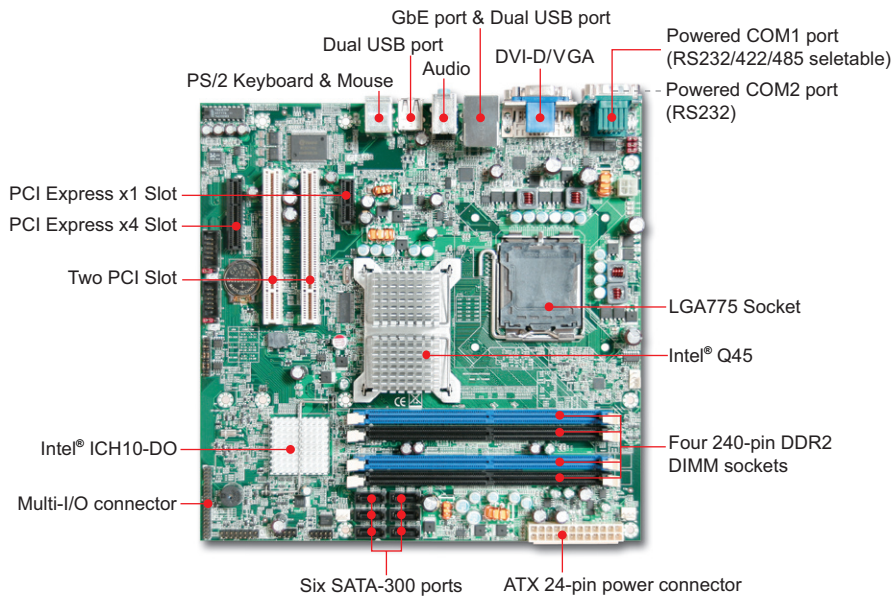


RUBY-9720VGAR

45nm Intel® Core™ 2 Quad processor based Micro-ATX Motherboard with DDR2 DIMM, USB, Power COM port, DVI-D/VGA Dual Display, Gigabit Ethernet, Audio

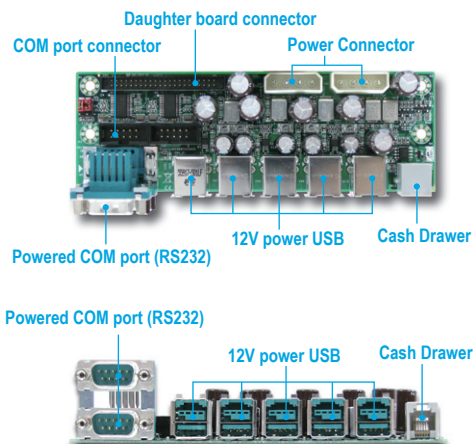


Rear I/O

FEATURES

- Intel® latest 45nm Desktop processor and Chipset, FSB up to 1333MHz
- Four DIMMs support dual channel DDR2 DIMM up to 8GB
- Dual Display: VGA / DVI-D
- Multiple I/O connector to support Cash Drawer, Power USB, Power COM ports on customized daughter board
- Intel® Active Management Technology 5.0 and integrated TPM
- Six SATA-300 ports support Intel® Matrix Storage Technology with RAID 0, 1, 5, 10

DAUGHTER BOARD (Optional)



GENERAL

Processor	CPU & Package: 45nm Intel® Core™ 2 Quad / Core™ 2 Duo FSB: 800/1066/1333MHz
Chipset/Core Logic	Intel® Q45 and ICH10DO
System Memory	Up to 8GB DDR2 800/667 SDRAM on Four 240-pin DIMM sockets
BIOS	Award BIOS
Storage Devices	SATA: Support Six SATA 300 drivers RAID: RAID 0/1/5/10
Watchdog Timer	Programmable via software from 1 sec. to 255 min.
Expansion Interface	- One PCI-Express x1 slot - One PCI-Express x4 slot - Two 32-bit PCI expansion slots
Hardware Monitoring	System monitor (fna, temperature, voltage)
Power Requirement	+12V(CPU)@14.6A; 12V(System)@3.6A; 5Vsb(System)@0.13A; 5V(System)@5.6A; 3.3V(System)@2.81A
Dimension	Dimension : 243.8(L) x 243.8(W) mm; 9.6"(L) x 9.6" (W)
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 75°C Relative Humidity: 5% to 95%, non-condensing

I/O

MIO	Four Serial ports (RS232 x3, selectable RS232/422/485 x1)
GPIO	- 8 GPIO on board pin header - 3 GPIO on Multi-I/O connector
Ethernet	- Single 1000BASE-T Ethernet (Intel® 82567LM) - Single RJ-45 connector with two LED indicators at rear I/O panel
Audio	HD Audio interface
USB	Eleven USB 2.0 ports (Two ports internal and four ports external; five type A and 12V powered extendable via Multiple I/O connector)
Keyboard & Mouse	PS/2 keyboard/mouse at rear I/O panel

DISPLAY

Graphic Controller	- Intel® Q45 Integrated Intel® Gen. 5.0 GMA 4500 Graphics - Intel® Dynamic Video Memory Technology (Intel® DVMT 5.0) VGA/DVI-D interface
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ORDERING GUIDE

Standard	RUBY-9720VGAR 45nm Intel® Core™ 2 Quad processor based Micro-ATX motherboard with DDR2 DIMM, USB, Power COM port, DVI/VGA Dual Display, Gigabit Ethernet, Audio
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Model	USB	Power USB	COM Ports
RUBY-9720VGAR	Internal: Two External: Four	No	Internal: Two, 12V External: Two, 5V/12V
Daughter board(Optional)	No	Five, 12V	Two, 5V/12V
Total	Six	Five	Six