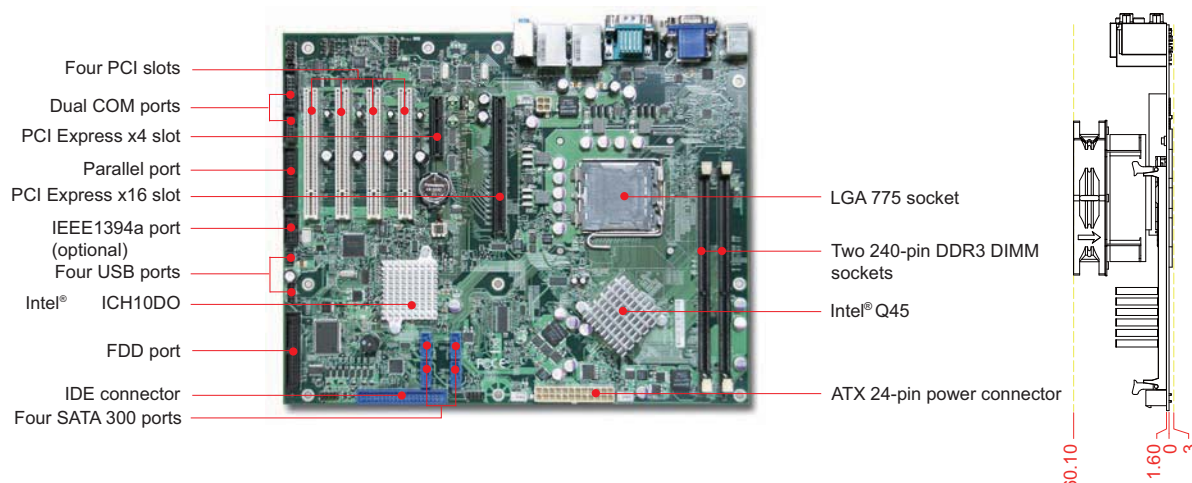




RUBY-9911

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

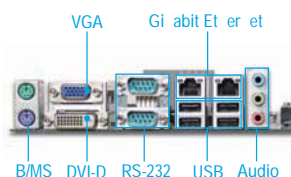


RUBY-9911 based on industrial ATX motherboard can apply to such as automation, multimedia, kiosk, industrial control that require variety I/O connectors.

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

REAR I/O



ORDERING GUIDE

AB1-3256	RUBY-9911VG2A.ATX.LGA775.SingleCore2Quad/Duo.w/DVI-D/VGA/DualGbE/Audio
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PACKING LIST

One RUBY-M710VG2AR ATX Main Board
One LGA 775 Cooler
One Installation CD



GENERAL

Processor	- Intel® Core™ 2 Quad/ Core™ 2 Duo Processor with 2MB L2 Cache in LGA-775 package - FSB:1333/1066/800MHz - Support Enhanced Intel SpeedStep® Technology, Intel® 64 architecture, Execute Disable Bit (Core™ 2 Duo only)
Chipset	Intel® Q45 Graphics and Memory Controller Hub (17W) and ICH10DO
BIOS	AMI Core 8 BIOS
Memory	Support up to 4GB DDR3 800/1066 MHz SDRAM on two 240-pin DIMM sockets with dual channel mode
Storage Devices	- 4x SATA 300 drivers support 3Gb/s data transfer rate - 1x EIDE supports Ultra DMA100/66/33MB/s - RAID 0, 1, 5, 10 - 1x FDD channel
Watchdog Timer	Programmable via S/W from 1 sec. to 255 min.
Hardware Monitoring	- System monitor (fan, temperature, voltage) - Temperature (CPU & System) - Voltage (CPU Vcore, 5VSB, 12V, 5V, 3.3V)
Expansion Interface	- 1x PCI Express x16 slot (Gen1, 2.5 GT/s) - 1x PCI Express x4 slot (Gen1, 2.5 GT/s) - 4x PCI 32bit slots

I/O INTERFACE

Super IO	MXIC MX25L3260EM21
Audio	- Intel® Q45 built-in High Definition Audio up to 192-kHz 24-bit - Realtek ALC888-GR LQFP48 codec, 7.1 channels - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	- Intel® 82567LM and Intel® 82574L dual gigabit ethernet controllers - Dual RJ-45 connectors with two LED indicators at rear I/O panel
Serial Port	- 2x RS232 on rear IO and 1x RS232 on board - 1x RS232/422/485 selectable on board and 1x IEEE1394a port on board
USB	- 4x USB 2.0 ports on rear IO and 4x USB 2.0 ports on board - 480 Mb/s bus comprehends the high-speed / full-speed / low-speed data ranges
Keyboard & Mouse	1x PS/2 Keyboard & Mouse on rear IO
GPIO	On board programmable 8-bit Digital I/Os
Other	1x parallel port on board box header

DISPLAY

Graphic Controller	- Intel® Q45 Graphics and Memory Controller Hub integrated Intel GMA 4500 delivers Microsoft DirectX® 10 and Shader Model 4.0 and OpenGL® 1.5, enabling support for the highest levels of the Windows Vista experience - Intel® Dynamic Video Memory Technology (Intel® DVM 5.0)
Display Interface	- VGA: Resolution up to 2048x1536 (QXGA) @75Hz - DVI-D: up to 2560x1600 @ 60Hz

Mechanical & Environment

Dimension	308.4(L) x 243.8(W) mm; 12"(L) x 9.6"(W)
Power Supply	- Typical: +12V(CPU)@9.25A; +12V(System)@3.68A; +5V@10.72A; +3.3V@16.51A - Support ATX mode
Environment	- Operation Temperature: 0°C to 60°C - Storage Temperature: -20°C to 80°C - Relative Humidity: 10% to 90%, non-condensing
MTBF	Over 170,000 hours at 40°C