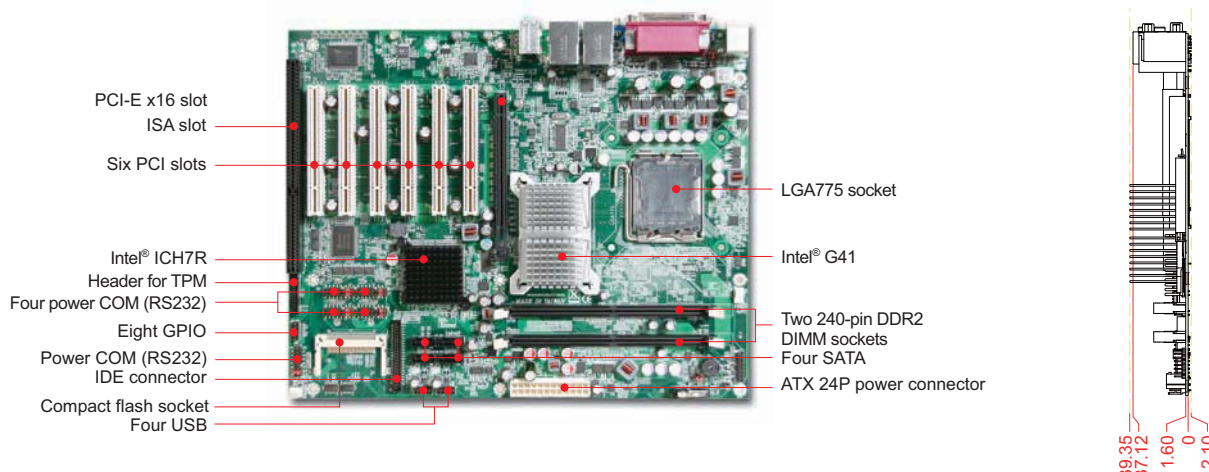


RUBY-9719VG2AR

Intel® Core™ 2 Duo/Core™ 2 Quad Processor based ATX Motherboard with DDR2, VGA, Dual Gigabit Ethernet, Audio and USB

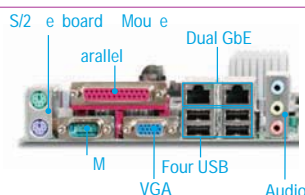


Found on Intel G41 and ICH7R chipset, RUBY-9719VG2AR supports a wide range of Intel processors including Core™ 2 Quad, Core 2 Duo, Pentium® and Celeron®. In addition, this model is based on industrial ATX motherboard provides particularly designed for multiple applications such as industrial control and automation, multimedia, gaming, kiosk, digital signage, print imaging, digital surveillance and network security.

FEATURES

- Intel® Core™ 2 Quad / Core 2 Duo Processor and Intel® G41 Chipset, FSB up to 1333MHz
- Two 240-pin DIMMs support dual channel DDR2 SDRAM up to 4GB
- Dual Gigabit Ethernet port
- Six 32-bit PCI slots / Five PCI slots and One ISA slot
- Four SATA-300 ports support Intel Matrix Storage Technology with RAID 0, 1, 5, 10
- One 44pin IDE and one Compact flash share the same channel
- PCIe x16 slot can support x1, x4, x8 or x16 cards

REAR I/O



ORDERING GUIDE

AB1-3364	RUBY-9719VG2AR.ATX.LGA775.Intel Core 2 Quad/ Duo.G41 w/VGA/Dual GbE/Audio
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PACKING LIST

One RUBY-9719VG2AR ATX Main Board
One SATA II Cable
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® G41 Graphics and Memory Controller Hub (25W)+ICH7R
BIOS	AMI Core 8 BIOS
Memory	Support up to 4GB DDR2 667/800MHz SDRAM on two 240-pin DIMM sockets with dual channel mode
Storage Devices	- 4xSATA 300 drivers support 3Gb/s data transfer rate - 1xIDE 44-pin connector supports Ultra DMA100/66/33MB/s - 1x compact Flash connector supports Ultra DMA100/66/33MB/s (share with IDE channel) - RAID 0,1,5,10
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 Expressx16 slot (Gen1, 2.5 GT/s) - 5x PCI 32bit slots and 1xISA slot or 6x PCI 32bit slots

I/O INTERFACE

Super IO	Winbond W83627UHG
Audio	- Intel® G41 built-in High Definition Audio up to 96-kHz 24-bit - Realtek ALC662-GR LQFP48 codec, 5.1 channels - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	- Intel® 82583x2 dual gigabit ethernet controllers - 2x RJ-45 connectors with two LED indicators at rear I/O panel
Serial Port	- 5x RS232(5V/12V) on board - 1x RS232/422/485 selectable on rear IO
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 rear IO

DISPLAY

Graphic Controller	- Intel® Q41 Graphics and Memory Controller Hub integrated Intel GMA 4500 delivers Microsoft DirectX® 10, 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® DVMT 5.0)
Display Interface	VGA: Resolution up to 2048x1536(QXGA) @75Hz

Mechanical & Environment

Dimension	305(L) x 244(W) mm; 12"(L) x 9.6"(W)
Power Supply	- Typical: +12V(CPU)@3.57A;+12V(System)@0.63A;+5V@5.25A;+3.3V@1.47A - Support ATX mode
Environment	- Operation Temperature: 0°C to 60°C - Storage Temperature: -20°C to 80°C - Relative Humidity: 10% to 95%, non-condensing
MTBF	Over 120,000 hours at 40°C