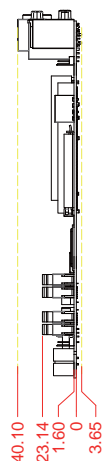
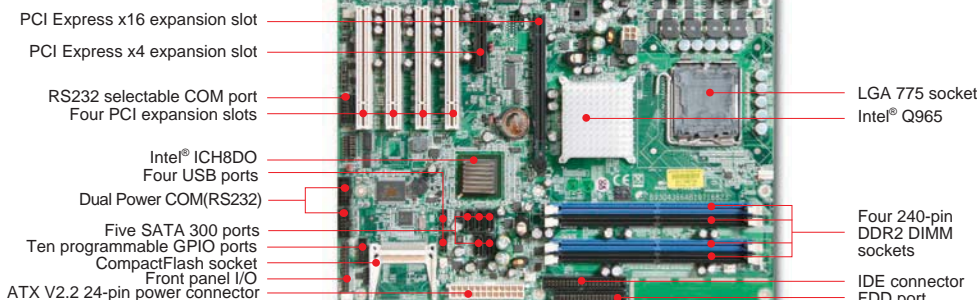




RUBY-9716VG2AR

Intel® Core™ 2 Quad processor based ATX Industrial Mainboard with DDR2 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB

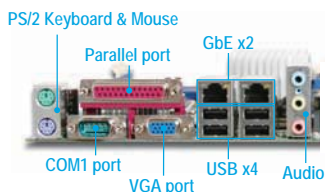


RUBY-9716VG2AR based on Intel® Q965 chip-set equips with five SATA 300 ports together, one IDE channel and CF socket which are perfect combination of storage interface for all kinds of applications; supports Intel® Matrix Storage Technology.

FEATURES

- Intel® mainstream desktop processors - Core™ 2 Quad, Core™ 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in LGA-775 package
- One PCI Express x16 slot features high-end graphics card connection interface or dual independent display with ADD2+ media card that provides TV tuner, video capture in and DVI, TV-out
- One PCI Express x4 slot for storage add-in card which provides reliable and safer data storage with adequate I/O throughput
- Five SATA 300 ports together with one IDE channel and CF socket are perfect combination

REAR I/O



ORDERING GUIDE

AB1-3041	RUBY-9716VG2AR.Socket LGA775.Intel Q965.Core 2 Duo.IMB.w/VGA/2xGbE/Audio
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PACKING LIST

One RUBY-9716VG2AR ATX Industrial Main Board
One SATA II Cable
One Installation CD
One I/O shield



GENERAL

Processor	- Intel® Core™ 2 Quad/Core™ 2 Duo Pentium® D, Pentium® 4, Celeron® D 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® Q965 Graphics and Memory Controller Hub (28W)+ICH8DO
BIOS	Award BIOS
Memory	Support up to 8GB DDR2 533/667/800MHz SDRAM on four 240-pin DIMM sockets
Storage Devices	- 1x EIDE connector supports Ultra DMA100/66/33MB/s - 5x SATA 300 drivers support 3Gb/s data transfer rate and 1x FDD channel - 1x compact Flash connector supports Ultra DMA100/66/33MB/s (share with IDE channel)
Watchdog Timer	Programmable via S/W from 1 sec. to 255 min.
Hardware Monitoring	- System monitor (fan,temperature,voltage) and Temperature (CPU & System) - Voltage (CPU Vcore, 5VSB, 12V, 5V, 3.3V)
Expansion Interface	- 1x PCI Express x4 slot for x1 or x4 card (Gen1, 2.5 GT/s) - 1x PCI Express x16 slot for PCIe x16 or PCIe x1 or ADD2+ card (Gen1, 2.5 GT/s) - 4x PCI 32bit slots

I/O INTERFACE

Super IO	Winbond W83627HG-AW
Audio	- Intel® Q965 built-in High Definition Audio up to 192-kHz 32-bit - Realtek ALC262-VC2 LQFP48 codec,2+2 channels - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	- Intel® 82573L and Intel® 82566DM dual gigabit ethernet controllers - 2x RJ-45 connectors with two LED indicators at rear I/O panel - PCI Express x1 interface based Gigabit Ethernet
Serial Port	- 1x RS232/TTL selectable on rear I/O panel - 2x RS232 Power selectable on board and 1x RS232/422/485 selectable 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 10-bit Digital I/Os
Other	1x parallel port on rear IO

DISPLAY

Graphic Controller	- Intel® Q965 Graphics and Memory Controller Hub integrated Intel Graphics Media Accelerator 3000(Intel GMA 3000), providing a visually stunning experience optimized for Blu-ray* and HD video - Support dual independent display with ADD2+ card
Display Interface	- VGA: Resolution up to 2048x1536 @75Hz - DVI-D: up tp 1600x1200 @60Hz

Mechanical & Environment

Dimension	304.8(L) x 243.8(W) mm; 12"(L) x 9.6"(W)
Power Supply	- Typical: +12V@6.5A;+5V@5.95A;+3.3V@3A - Support ATX mode
Environment	- Operation Temperature: 0°C to 55°C - Storage Temperature: -20°C to 80°C - Relative Humidity: 5% to 90%, non-condensing
MTBF	Over 150,000 hours at 40°C