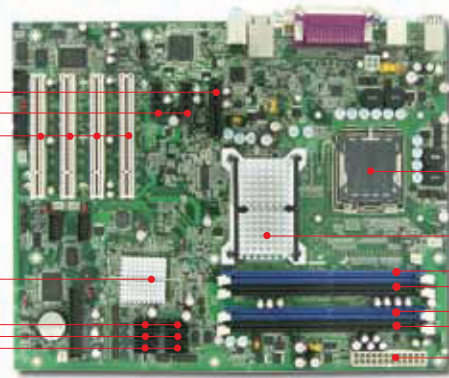


RUBY-9718VG2AR

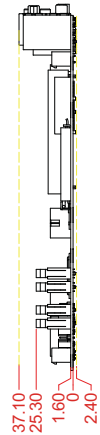
Intel® Core™ 2 Quad processor based ATX Industrial Mainboard with onboard DVI/ VGA Dual-Display, DDR2 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB

ADD2 slot
Two PCIe x1 slots
Four PCI slots

Intel® ICH8DO
Six SATA II ports



LGA775 socket
Intel® Q965
Four 240-pin DDR2 DIMM sockets
ATX 24-pin power connector

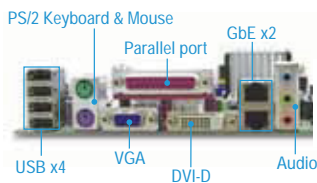


On the basis of Intel® Q965 chipset, RUBY-9718VG2AR supports the Intel® Core™ 2 Quad processor that provides the ideal solution for multiple applications such as Industrial control and Automation, Multimedia, Gaming, Kiosk, Digital Signage, Print Imaging, Digital Surveillance and Network Security.

FEATURES

- Core™ 2 Quad, Core™ 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in LGA775 package
- Benefits such as Hyper-Threading, EM64T, dual-core, EIST, XD & VT of processor can be easily applied to system by changing processor
- Onboard dual independent display: VGA and DVI-D
- One ADD2 graphics slot for ADD2 card
- Two PCI Express x1 slots and four 32-bit PCI expansion slots
- Six SATA II ports, Intel® Matrix Storage Technology with RAID 0,1,5,10 support

REAR I/O



ORDERING GUIDE

AB1-3064	RUBY-9718VG2AR.ATX.LGA775.Single P4.SBC.w/DVI/CRT VGA/Dual Giga LAN
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PACKING LIST

One RUBY-9718VG2AR 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 LGA775 package - FSB:1066/800MHz - Supports 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	Supports up to 8GB DDR2 533/667/800MHz SDRAM on four 240-pin DIMM sockets
Storage Devices	- 6x SATA support 3Gb/s data transfer rate - RAID 0,1,5,10 (supported by Intel® Matrix Storage Technology) - 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 ADD2 slot (single SDVO bus) - 2x PCI Express x1 slots (Gen1, 2.5 GT/s) - 4x PCI 32-bit slots

I/O INTERFACE

Super I/O	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	- 2x RS232 power selectable on board - 1x RS232/422/485 selectable on board and 1x RS232 on board
USB	- 4x USB 2.0 ports on rear I/O and 6x 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 I/O
GPIO	On board programmable 12-bit Digital I/Os
Other	1x parallel port on rear I/O

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 - ADD2 graphic slot for ADD2 card
Display Interface	- VGA: Resolution up to 2048x1536 @75Hz - DVI-D: up to 1600x1200 @60Hz

Mechanical & Environment

Dimension	304.8(L) x 243.8(W)mm; 12"(L) x 9.6"(W)
Power Supply	- Typical: +12V(CPU)@8.75A; +12V(System)@3.6A; +5V@5.6A; +3.3V@2.81A - Supports 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 70,000 hours at 40°C