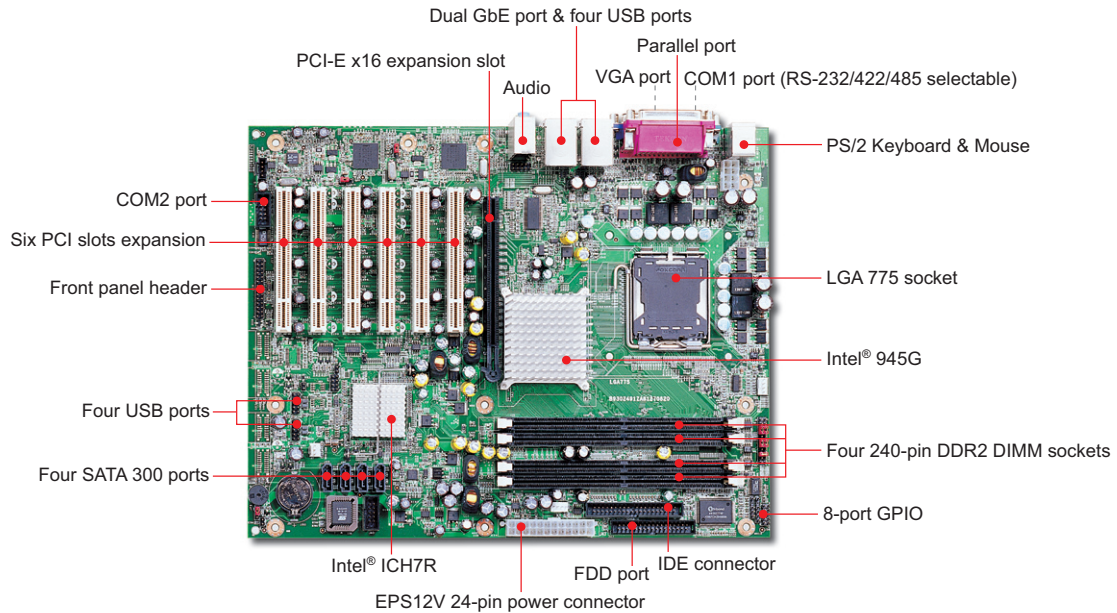


# RUBY-9715VG2AR

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



## FEATURES

- Industrial mainboard in ATX form factor supports Intel® Pentium® 4 processor with Hyper-Threading technology, Core™ 2 Duo, Pentium® D and Celeron® D processor in LGA-775 package up to 1066MHz front side bus
- Support DDR2 667/533 SDRAM up to 4GB in dual channel architecture
- Intel® new GMCH integrated graphics engine increases 9% ~ 25% performance of GMA 900 of Intel 915GV
- One PCI Express x16 slot features high-end graphics card connection interface or dual independent displays with ADD2+ media card that provides TV tuner, video capture in and DVI, TV-out
- Six 32-bit PCI expansion slots for most industrial I/O cards
- Dual Gigabit Ethernet ports based on PCI Express x1 interface without sharing bandwidth of PCI expansion bus
- Four ports for SATA RAID controller providing benefits of Intel Matrix Storage Technology RAID 0, 1, 5, 10

## ORDERING GUIDE

|          |                                                                                                                                                 |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard | <b>RUBY-9715VG2AR</b><br>Intel® Core™ 2 Duo processor based ATX Industrial Mainboard with DDR2 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|

## GENERAL

|                     |                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor           | CPU & Package: Intel® Core™ 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in LGA-775 package<br>FSB: 1066/800/533MHz                                                                                  |
| Chipset/Core Logic  | Intel® 945G & ICH7R                                                                                                                                                                                         |
| System Memory       | Up to 4GB DDR2 667/533 SDRAM on four 240-pin DIMM sockets                                                                                                                                                   |
| BIOS                | Award BIOS                                                                                                                                                                                                  |
| Storage Devices     | EIDE: Support two EIDE devices with Ultra DMA 100/66/33<br>SATA: Support four SATA 300 drives                                                                                                               |
| Solid State Disk    | N/A                                                                                                                                                                                                         |
| Watchdog Timer      | Programmable via software from 1 sec. to 255 min.                                                                                                                                                           |
| Expansion Interface | - Six 32-bit PCI expansion slots<br>- One PCI Express x16 slot for graphics card, ADD2+ card or PCI Express x1 (general purpose) card<br>- Up to four PCI Express x1 external interface per (project spec.) |
| Hardware Monitoring | System monitor (fan, temperature, voltage)                                                                                                                                                                  |
| Power Requirement   | Typical: +5V@2.69A ; +12V@5.37A                                                                                                                                                                             |
| Dimension           | Dimension : 312.8(L) x 243.8(W) mm; 12.3"(L) x 9.6" (W)                                                                                                                                                     |
| Environment         | Operating Temperature: 0 to 55°C<br>Storage Temperature: -20 to 80°C<br>Relative Humidity: 5% to 90%, non-condensing                                                                                        |
| MTBF                | 105,889 hrs                                                                                                                                                                                                 |

## I/O

|                  |                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MIO              | Two serial (RS232 x1, selectable RS232/422/485 x1) ports, one at rear I/O panel, one parallel, one FDD channel                                                           |
| IrDA             | IrDA 1.0                                                                                                                                                                 |
| Ethernet         | - Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet<br>- PCI Express x1 interface based Gigabit Ethernet<br>- Dual RJ-45 connectors with two LED indicators at rear I/O panel |
| Audio            | AC'97 2.2 Audio                                                                                                                                                          |
| USB              | Eight USB 2.0 ports (Four ports at rear I/O panel; four ports internal)                                                                                                  |
| Keyboard & Mouse | Dual 6-pin mini-DIN connectors at rear I/O panel for PS/2 keyboard/mouse                                                                                                 |

## DISPLAY

|                    |                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------|
| Graphic Controller | GMCH integrated Intel® Graphics Media Accelerator 950 (Intel® GMA 950)                                 |
| Graphic Memory     | Dynamic system memory sharing up to 224MB (Intel® DVM 3.0) or static system memory sharing up to 128MB |
| Display Interface  | Display resolution up to 2048 x 1536                                                                   |