

RUBY-9716VGAR

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



FEATURES

- Industrial mainboard in ATX form factor that supports all Intel® mainstream desktop processors - Core 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in LGA-775 package
- Benefits such as Hyper-Threading, EM64T, dual-core, EIST, XD & VT of processor can be easily applied to system by changing processor
- Embedded Intel 4th generation graphics engine that provides better user experience of display performance
- 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
- One PCI Express x1 and four 32-bit PCI expansion slots for most industrial I/O cards
- Six SATA 300 ports together with one IDE channel and CF socket are perfect meet to storage interface that all kind of applications

ORDERING GUIDE

Standard	<p>RUBY-9716VGAR LGA-775 Core 2 Duo processor based Industrial Mainboard with SATA Raid 0, 1, 5, 10 DDR2 SDRAM, VGA, Gigabit Ethernet, Audio and USB</p> <p>RUBY-9716VG2AR LGA-775 Core 2 Duo processor based ATX Industrial Mainboard with SATA Raid 0, 1, 5, 10 DDR2 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB</p>
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GENERAL

Processor	CPU & Package: Intel® Core 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in the LGA-775 package FSB: 1066/800/533MHz
Chipset/Core Logic	Intel® Q965 and ICH8
System Memory	Up to 8GB DDR2 800/667/533 SDRAM on four 240-pin DIMM sockets
BIOS/AMT	Award BIOS / Intel® Active Management Technology (AMT 2.0)
Storage Devices	EIDE: Support single EIDE devices with Ultra DMA 100/66/33 SATA: Support six SATA 300 drives
Solid State Disk	One Type II CF socket
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	- Four 32-bit PCI expansion slots - One PCI Express x4 slot -or PCI Express x16 slot - One PCI Express x1 slot - One PCI Express x16 slot for PCIe x16 or PCIe x1 or ADD2/+ card
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	TBA
Dimension	Dimension: 312.8(L) x 243.8(W) / 12.3"(L) x 9.6" (W) PCB: 4-layer
Environment	Operating Temperature: 0 to 50°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	TBA

I/O

MIO	Four serial (RS-232x3, selectable RS-232/422/485 x1), one at rear I/O panel, one parallel, one FDD channel
IrDA	One IrDA
Ethernet	- Single 10BASE-T/100BASE-TX/1000BASE-T Ethernet - PCI Express x1 interface based Gigabit Ethernet - Single RJ-45 connector with two LED indicators at rear I/O panel
Audio	AC'97 2.3 Audio
USB	Eight USB 2.0 ports (Four ports at rear I/O panel; four ports internal)
Keyboard & Mouse	PS/2 keyboard/mouse at rear I/O panel

DISPLAY

Graphic Controller	- GMCH integrated Intel® 4th generation Extreme Graphics controller - Integrated Intel Clear Video Technology which provides improved 3D multimedia capabilities including DirectX 9, Shader Model 3.0, OpenGL 1.5, Advanced De-interlacing, MPEG-2 hardware acceleration - Support dual independent display with ADD2/+ card
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