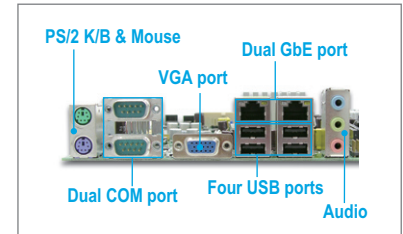
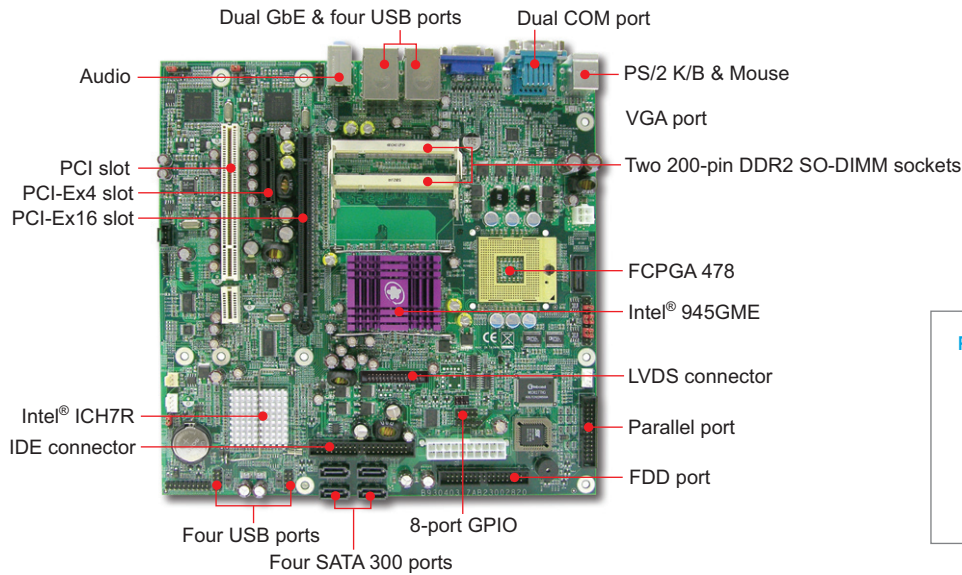


RUBY-9713VG2AR



Rear I/O

FEATURES

- Industrial mainboard in uATX form factor supports all Intel® Core™ 2 Duo, Core™ Duo, Core™ Solo processor for MoDT (Mobile on Desktop) application
- One 32-bit PCI expansion slot or supports up to four PCI slots by riser card
- One PCI-Express x4 slot or supports up to four PCI Express x1 slot by riser card
- Support GPIO and LVDS on board
- Adopts Intel Matrix Storage Technology to support RAID 0/1/5/10
- Dual Gigabit Ethernet ports based on PCI Express x1 interface without sharing bandwidth of PCI expansion bus

GENERAL

Processor	CPU & Package: Intel® Core™ 2 Duo, Core™ Duo, Core™ Solo processor FSB: 667/533MHz
Chipset/Core Logic	Intel® 945GME and ICH7R
System Memory	Up to 4GB DDR2 667/533 SDRAM on two 200pin SODIMM sockets
BIOS	Award BIOS
Storage Devices	EIDE: Support two EIDE devices with Ultra DMA 100/66/33 SATA: Support four SATA 300 drives RAID: RAID 0/1/5/10
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 1 sec. to 255 min.
Expansion Interface	- One 32-bit PCI expansion slot or support up to four PCI slots by riser card - One PCI-Express x4 slot or support up to four PCI Express x1 slot by riser card - One PCI-Express x16 slot
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Standby +5@1.7A; +12V(CPU)@3A, +12V(System)@1A, +5V(System)@2.5A, +3.3V(System)@1.5A
Dimension	Dimension : 243.8(L) x 243.8(W) mm; 9.6"(L) x 9.6" (W)
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	86,705 hrs

ORDERING GUIDE

Standard	RUBY-9713VG2AR Intel® Core™ 2 Duo processor based Micro-ATX, Industrial Mainboard with DDR2 SODIMM, VGA, Dual Gigabit Ethernet, Audio and USB
Optional	PEP-541L PCI-E x4 to PCI-E x4 riser card PEP-544L PCI-E x4 to four PCI-E x1 riser card PEP-554L PCI to four PCI slots riser card PEP-553L PCI to three PCI slots riser card B9970540 Pentium® M 1U Active Heat Sink

I/O

MIO	Two serial (RS232 x1, selectable RS232/422/485 x1) One parallel, one FDD channel, eight GPIO
IrDA	IrDA 1.0
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet (Intel® 82573L x2) - PCI Express x1 interface based Gigabit Ethernet - 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 connector 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 share system memory up to 224MB (Intel DVMT 3.0) or static share system memory up to 128MB
Display Interface	Display resolution up to 2048x1536; LVDS