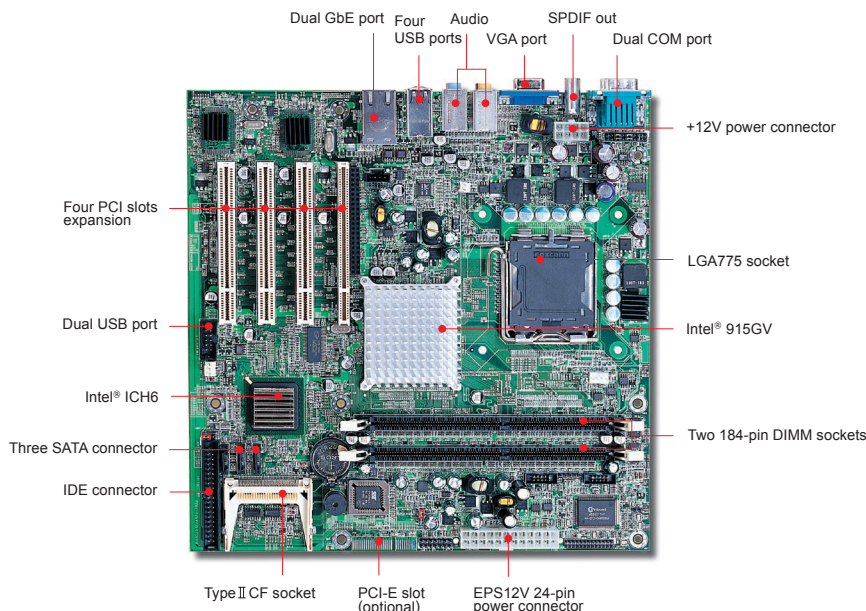




# RUBY-9712VG2A

Intel® Pentium® 4 or Celeron® D processor based uATX Industrial Mainboard with DDR SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB



## FEATURES

- Industrial mainboard in uATX form factor that supports Intel® Pentium® 4 processor with Hyper-Threading technology and Celeron® D processor in LGA-775 package
- Support most cost-effective DDR 400/333 SDRAM up to 2GB in dual channel architecture
- Intel® new integrated engine GMA 900 provides better display quality and effects thru faster engine and SGI OpenGL 1.4, Microsoft DirectX 9.0 supported
- Four 32-bit PCI expansion slots for most industrial I/O cards
- Dual Gigabit Ethernet port that based on PCI Express x1 interface without sharing bandwidth of PCI expansion bus
- 7.1 channel High Definition audio output featuring high performance multimedia experience to gaming, voice recognition and audio conferencing applications

## ORDERING GUIDE

<b>Standard</b>	<b>ROBO-9712VG2A</b> LGA-775 Pentium® 4 or Celeron® D processor based uATX Industrial Mainboard with DDR SDRAM, VGA, dual Gigabit Ethernet, audio and USB
<b>Optional</b>	<b>Printer Port Cable with Bracket</b> 2.0mm pitch 26-pin header to D-sub 25-pin printer connector on bracket  <b>PS/2 Keyboard/Mouse Cable with Bracket</b> 2.0mm pitch 10-pin header to PS/2 keyboard / mouse connectors on bracket

## GENERAL

Processor	CPU & Package: Intel® Pentium® 4 or Celeron® D processor in the LGA-775 package FSB: 800/533MHz
Chipset/Core Logic	Intel® 915GV and ICH6
System Memory	Up to 2GB DDR 400/333 SDRAM on two 184-pin DIMM sockets
BIOS	Award BIOS
Storage Devices	EIDE: Two EIDE devices with Ultra DMA 100/66/33 SATA: Three SATA 150 drives
Solid State Disk	- One Type II CF socket - On Primary EIDE channel - Bootable for no drives primary channel
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	- Four 32-bit PCI expansion slots - Up to four PCI Express x1 slot (optional)
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@2.0A; +12V(CPU)@7.4A, +12V(System)@7.7A
Dimension	Dimension : 243.8(L) x 243.8(W) mm; 9.6"(L) x 9.6" (W) PCB: 4-layer
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	87,465 hrs

## I/O

MIO	Two serial (one on bracket; one RS-232/422/485 selectable), one parallel
IrDA	IrDA 1.0
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet - PCI Express x1 interface based Gigabit Ethernet - Dual RJ-45 connectors with two LED indicators at rear I/O panel
Audio	High Definition Audio
USB	Six USB 2.0 ports (Four ports at rear I/O panel; two ports internal)
Keyboard & Mouse	Two USB ports at rear I/O panel dedicated to keyboard/mouse

## DISPLAY

Graphic Controller	GMCH integrated Intel® Graphics Media Accelerator 900 (Intel® GMA 900)
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 @ 85Hz refresh