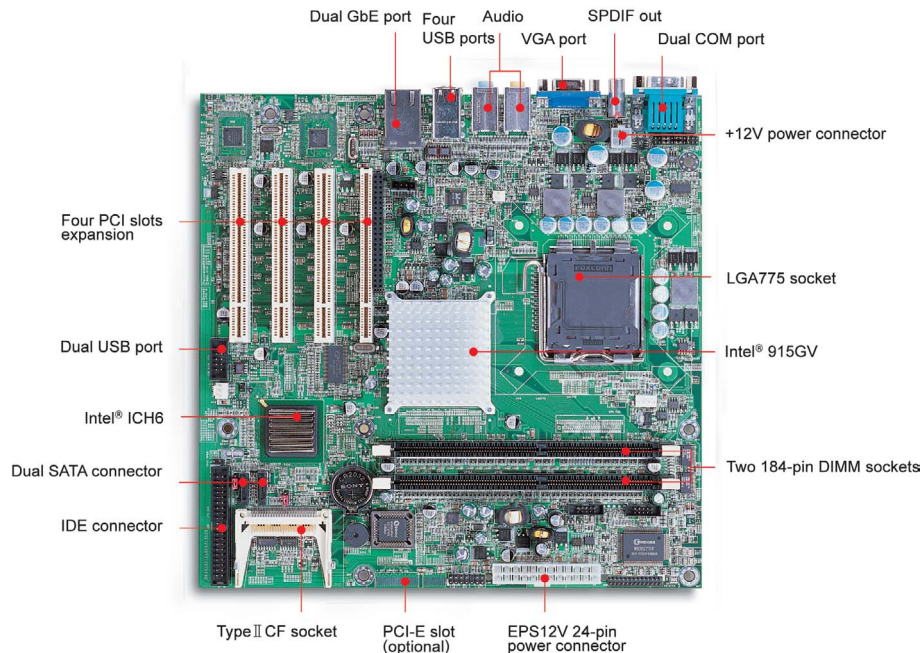


# RUBY-9712VG2A

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, audio conferencing applications

## ORDERING GUIDE

<b>Standard</b>	RUBY-9712VG2A 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>	Printer Port Cable with Bracket 2.0mm pitch 26-pin header to D-sub 25-pin Printer connector on bracket PS/2 Keyboard/Mouse Cable with Bracket 2.0mm pitch 10-pin header to PS/2 Keyboard / Mouse connector on bracket

## SYSTEM

CPU	Intel® Pentium® 4 or Celeron® D processor in the LGA-775 package FSB: 800/533MHz
Chipset	Intel® 915GV and ICH6
System Memory	Up to 2GB DDR 400/333 SDRAM on two 184-pin DIMM sockets
BIOS	Award BIOS
Display	- GMCH integrated Intel® Graphics Media Accelerator 900 (Intel® GMA 900) - Dynamic share system memory up to 224MB (Intel® DVMT 3.0) or static share system memory up to 128MB - Display resolution up to 2048x1536 @ 85Hz refresh - Provide incredible visual quality, smooth video playback, and support for key 3D features
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet - PCI Express x1 interface based Gigabit Ethernet - Dual RJ-45 ports with two LED indicators at rear I/O panel
Audio	AC'97 2.3 Audio
SCSI	N/A
Expansion Interface	Four 32-bit PCI expansion slots; Up to four PCI Express x1 slot (optional)
ISA Bus	N/A
EIDE	Support two EIDE devices with Ultra DMA 100/66/33
Solid State Disk	One Type II CF socket; On Primary EIDE channel; Bootable for no drive on primary channel
I/O	- Support two SATA 150 drives; One parallel, one IrDA - Two serial (RS-232x1, selectable RS-232/422/485 x1) at rear I/O panel - Six USB 2.0 ports (Four ports at rear I/O panel; two ports internal) - One D-sub 15-pin VGA out and one RCA SPDIF out at rear panel I/O panel - 8 high driving GPIO (4 GPI/GPO programmable, 4 GPO)
ACPI Function	Modem-Ring-On and Wake-On-LAN
Hardware Monitoring	System monitor (fan, temperature, voltage)
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Power Requirement	+5@2.0A; +12V(CPU)@7.4A, +12V(System)@7.7A
Mechanical	Dimension : 243.8(L) x 243.8(W) / 9.6"(L) x 9.6" (W); PCB : 4-layer
Environmental	Operating Temperature: 0 to 50°C; Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
Approval	CE, FCC Class A



Portwell, Inc. **Headquarters**

3F, No. 92, Sec. 1, Nei-Hu Rd.,  
114 Taipei, Taiwan  
Tel: +886-2-27992020  
Fax: +886-2-27991010  
E-mail: info@mail.portwell.com.tw  
http: //www.portwell.com.tw

American Portwell Portwell Japan, Inc.

6851 Mowry Avenue  
Newark, CA 94560, USA  
Tel: +1-510-790-9192  
Fax: +1-510-790-9191  
E-mail: info@mail.portwell.com  
http: //www.portwell.com

〒101-0042 Ueda Build. 7F, 10-2  
Kanda higashi matsushita-cho  
chiyoda-ku Tokyo Japan  
Tel: +81-3-5298-8071  
Fax: +81-3-5298-8072  
E-mail: sales@portwell.co.jp  
http: //www.portwell.co.jp

Beijing Portwell

6F, Building 3, Qunying Zone,  
Chuangye Rd. 8, Shangdi, Haidian  
District, Beijing, China 100085  
Tel: +86-10-82701616  
Fax: +86-10-82700606  
E-mail: info@mail.portwell.com.tw  
http: //www.portwell.com.cn

**EMCA** (UK)

Unit 30, Basepoint Enterprise Centre  
Stroudley Road, Basingstoke,  
Hampshire, RG24 8UP UK  
Tel: +44-1256-406688  
Fax: +44-1256-406689  
E-mail: info@emca.co.uk  
http: //www.emca.co.uk