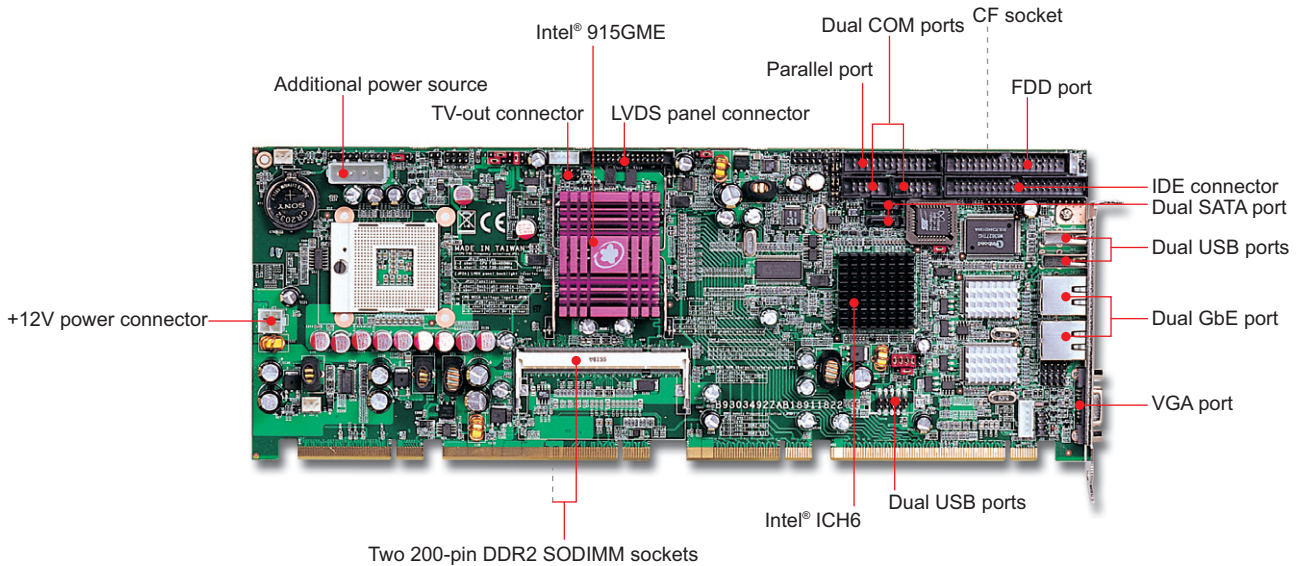# ROBO-8911VG2A

Intel® Pentium® M or Celeron® M processor based PICMG 1.3 SHB with DDR2 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB

Additional power source · Intel® 915GME · Dual COM ports · CF socket · Parallel port · FDD port · TV-out connector · LVDS panel connector · IDE connector · Dual SATA port · Dual USB ports · +12V power connector · Dual GbE port · VGA port · Dual USB ports · Intel® ICH6 · Two 200-pin DDR2 SODIMM sockets

FEATURES

- ROBO-8911 offers flexible 400MHz and 533MHz FSB selection of Intel® Pentium® M / Celeron® M that features high computing power with low heat

- Intel® new integrated engine GMA 900 provides better display quality and effects thru faster engine; SGI OpenGL 1.4 and Microsoft DirectX 9.0 supports latest external PCI Express x16 interface graphic's card via backplane

- Support dual view function via VGA, LVDS and TV interfaces

- Four SATA 150 ports for high speed storage interface and easy cable routing

- Support four PCI Express x1, one PCI Express x16 and four PCI expansion via backplane

GENERAL

Processor	CPU & Package: Intel® Pentium® M or Celeron® M processor in mFCPGA package FSB: 533/400MHz
Chipset/Core Logic	Intel® 915GME and ICH6
System Memory	Up to 2GB DDR2 533/400 SDRAM on two 200-pin SODIMM sockets
BIOS	Award BIOS
Storage Devices	EIDE: Support two EIDE devices with Ultra DMA 100/66/33 SATA: Support four SATA 150 devices (two through backplane)
Solid State Disk	One Type II CF socket; On Primary EIDE channel
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 sec.
Expansion Interface	- One PCI Express x16 - Four PCI Express x1 - Four PCI
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@3.1A; +12V@1.2A
Dimension	Dimension: 338.5(L) x 122(W) mm; 13.33"(L) x 4.8" (W) PCB: 8-layer
Environment	Operating Temperature: 0 to 60ºC Storage Temperature: -20 to 80ºC Relative Humidity: 5% to 90%, non-condensing
MTBF	91,855 hrs

I/O

MIO	Two serial (selectable RS232/422/485 x1), one parallel, one FDD channel
IrDA	IrDA 1.0
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet - Dual RJ-45 connector with two LED indicators
Audio	AC'97 2.2 Audio (Realtek ALC 202A)
USB	Eight USB 2.0 ports (four through backplane)
Keyboard & Mouse	Two USB 2.0 ports on bracket for keyboard & mouse

ORDERING GUIDE

Standard	**ROBO-8911VG2A** Socket mPGA479M Pentium® M or Celeron® M processor based PICMG 1.3 SHB with DDR2 SDRAM, VGA, Dual Gigabit Ethernet and Audio
Optional	**PA-M1AU** Multimedia kit with audio and USB ports
	PS/2 Keyboard/Mouse with Bracket PS/2 keyboard/mouse connectors on bracket

DISPLAY

Graphic Controller	915GM integrated Graphics Media Accelerator 900 (GMA 900)
Graphic Memory	Dynamic system memory sharing up to 224MB (Intel® DVMT 3.0) or static system memory sharing up to 128MB
Display Interface	CRT: Up to 2048 x1536 mode LVDS: Single/Dual 18-bit LVDS channel support TV: Up to 1024 x 768 resolution supported for NTSC/PAL