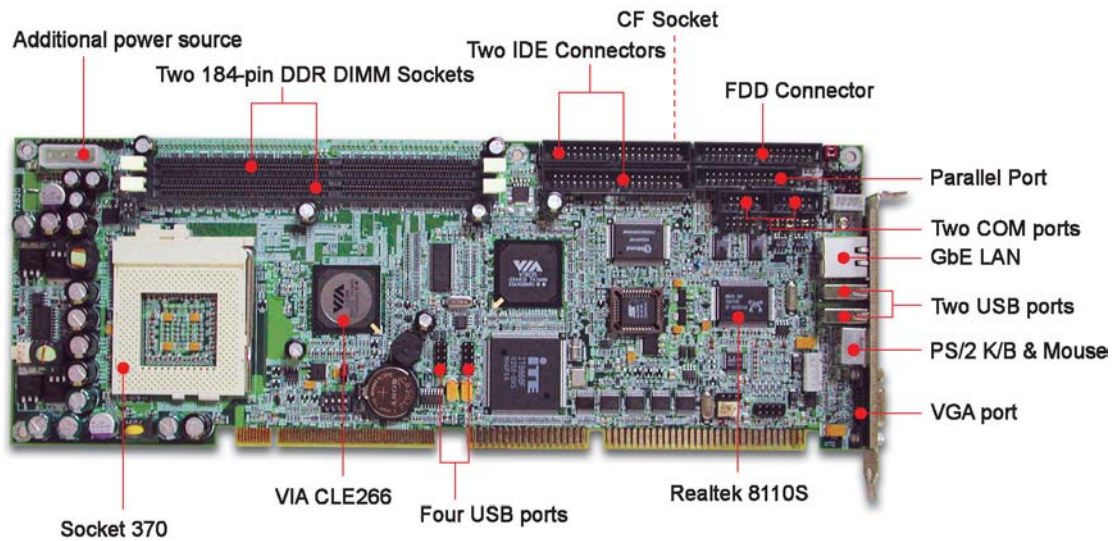


ROBO-8612VGA

Intel® Pentium® III or Celeron® (FC-PGA2) processor based PICMG SBC with VGA, DDR Memory, Gigabit Ethernet and Audio



FEATURES

- The most suitable SBC for automation applications regarding lower processor thermal power and lighter cooler solution
- Cost-effective design for processor and DDR memory
- On-board Realtek 8110S Gigabit Ethernet provides higher throughput network connection
- VIA CLE266 chipset delivers excellent levels of scalability and performance on a cost-effective, integrated chipset platform with high graphics integration
- VIA AGP 4X VGA with up to shared 64MB display memory for high-quality integrated video
- Standard features for embedded system, like H/W monitoring, WDT and SSD

GENERAL

CPU	CPU & Package: Intel® Pentium® III / Celeron® processor in the FC-PGA/ FC-PGA2 370 package & VIA C3™ processor in CPGA package FSB: 133/100/66 MHz
Chipset	VIA VT8623 and VT8235
Memory	Up to 2GB DDR 266/200 SDRAM on two 184-pin DIMM sockets
BIOS	Award BIOS
Display	- VIA VT8623 integrated S3 graphics UniChrome AGP 4X 2D/3D engine - Up to 64MB shared display memory - Display resolution up to 1400x1050
Ethernet	- Realtek 8110S PCI Ethernet - 10BASE-T/100BASE-TX/1000-T Ethernet - IEEE 802.3u auto-negotiation support - One RJ-45 connector with two LED indicators
Audio	AC'97 2.1
SCSI	N/A
Expansion Interface	N/A
ISA Bus	64mA high driving ISA bus interface to backplane for legacy ISA slots
EIDE	Support four EIDE devices with Ultra DMA 133/100/66/33
Solid State Disk	- One Type II CF socket - On secondary EIDE channel - Bootable for no drives on primary channel
I/O	- On-board Winbond W83697HF - Up to two floppy disk drives - Two serial, one parallel, one IrDA and six USB ports (two on bracket) - One 6-pin mini-DIN connector for keyboard and mouse - One 5-pin header for external keyboard connection
ACPI Function	- ATX function with 4-pin header connect to backplane - 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	TBA
Mechanical	Dimension: 338.5(L) x 122(W) / 13.33"(L) x 4.8" (W) PCB: 6-layer
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 75°C Relative Humidity: 5% to 95%, non-condensing
Approval	CE, FCC Class A

ORDERING GUIDE

Standard	ROBO-8612VGA Pentium® III or Celeron® (FC-PGA2) processor based PICMG SBC with VGA, DDR Memory, Gigabit Ethernet and Audio
Optional	PA-M1AU Multimedia kit for P4 SBC with Audio and one USB port