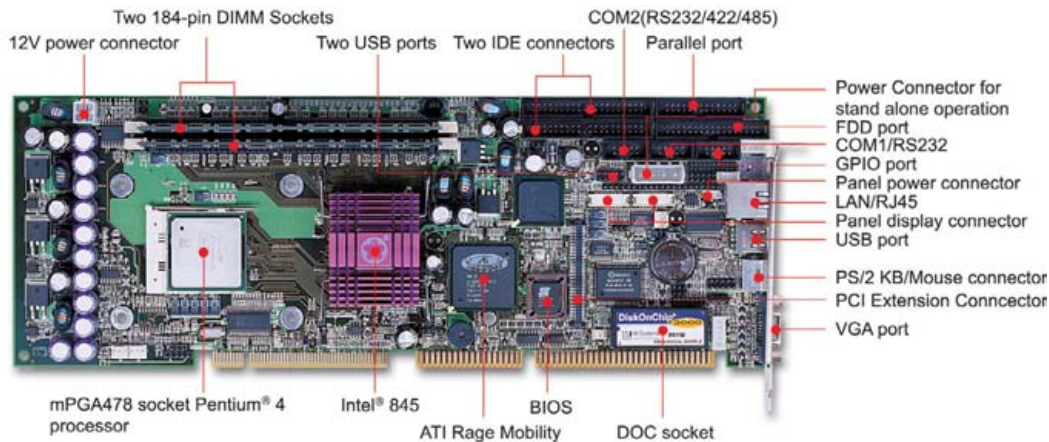


ROBO-8710VLA

Intel® Pentium® 4 or Celeron® processor based PICMG SBC with DDR SDRAM, AGP 4X VGA, Fast Ethernet and Audio



FEATURE

- Reliable design for higher speed Intel® Pentium® 4 processor
- Intel® 845E chipset, backed up by EID's long product life support
- High speed mainstream DDR SDRAM memory
- ECC function for data sensitive application
- ATI M6 3D graphics controller supports versatile interfaces for most of image process transaction terminals and panel display system applications
- High integration input/output function, such as high driving digital I/O and SMBus
- Standard features for embedded system, like H/W monitoring, WDT, SSD and Wake-On-LAN
- Additional external power connector for stand alone operation for rugged embedded system integration

Ordering Information

Standard	ROBO-8710VLA Socket 478 Pentium® 4 or Celeron® processor based PICMG SBC with DDR SDRAM, AGP 4X VGA, Fast Ethernet and Audio
Optional	<p>ROBO-U160H SCSI extension module with Portwell OmniPCI™ connection interface</p> <p>ROBO-N201G Single Gigabit Ethernet port extension module with Portwell OmniPCI™ connection interface</p> <p>ROBO-N201G2 Dual Gigabit Ethernet port extension module with Portwell OmniPCI™ connection interface</p> <p>ROBO-N100P Single Fast Ethernet port extension module with Portwell OmniPCI™ connection interface</p> <p>DVI-D Cable TMDS adapter cable for DVI interface flat panel</p> <p>PA-M1ATU Multimedia kit for P4 SBC with Audio, TV out and USB ports</p>

General

CPU	CPU & Package: Intel® Pentium® 4 or Celeron® processor in the mPGA478 package FSB: 533/400MHz
Chipset	Intel® 845E and ICH2
Memory	- Up to 2GB DDR 266/200 SDRAM on two 184-pin DIMM sockets - ECC support
BIOS	Award BIOS
Display	- ATI Mobility M6 graphics controller * 16MB display memory * TMDS & LVDS interfaces support * Dual View support * TV out
Ethernet	- 10BASE-T/100BASE-TX Ethernet - IEEE 802.3u auto-negotiation support - One RJ-45 connector with two LED indicators
Audio	AC'97 2.2 Audio
SCSI	N/A
Expansion Interface	Proprietary PCI connection interface
ISA Bus	64mA high driving ISA bus interface to backplane
EIDE	Support four EIDE devices with Ultra DMA 100/66/33
Solid State Disk	- DOC socket for up to 384MB
I/O	- Two serial, one parallel, one IrDA and three USB 1.1 ports - 8 high driving GPIO (4 GPI, 4 GPO) - One 6-pin mini-DIN connector for keyboard and mouse - One 5-pin header for external keyboard connectio
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	+5V@3.7A; +12V(CPU)@2.7A; +12V(System)@0.6A (typ.)
Mechanical	Dimension: 338.5(L) x 122(W) / 13.33"(L) x 4.8" (W) PCB: 8-layer
Environmental	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
Approval	CE, FCC Class A
MTBF	109,211 hrs