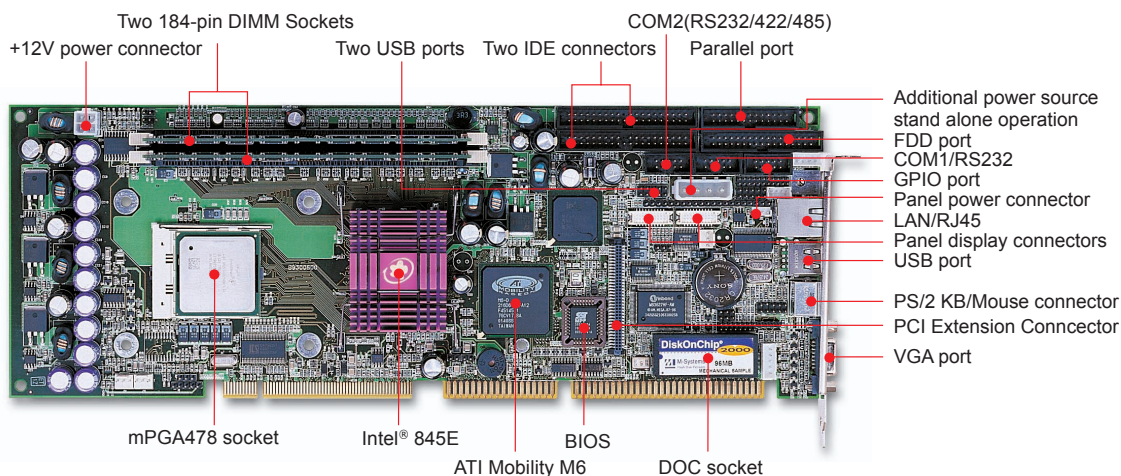


ROBO-8710VLA

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



FEATURES

- 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
- Reliable design for higher speed Intel® Pentium® 4 processor
- 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

ORDERING GUIDE

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

GENERAL

Processor	CPU & Package: Intel® Pentium® 4 or Celeron® processor in the mPGA478 package FSB: 533/400MHz
Chipset/Core Logic	Intel® 845E and ICH2
System Memory	- Up to 2GB DDR 266/200 SDRAM on two 184-pin DIMM sockets - ECC support
BIOS	Award BIOS
Storage Devices	Support four EIDE devices with Ultra DMA 100/66/33
Solid State Disk	DOC socket for up to 384MB
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	Proprietary PCI connection interface
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@3.7A; +12V(CPU)@2.7A; +12V(System)@0.6A
Dimension	Dimension : 338.5(L) x 122(W) mm; 13.33"(L) x 4.8" (W) PCB: 8-layer
Environment	Operating Temperature: 0 to 50°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	109,211 hrs

I/O

MIO	Two serial (selectable RS-232/422/485 x1), one parallel, one FDD channel
IrDA	IrDA 1.0
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
USB	Three USB 1.0 ports (one on bracket)
Keyboard & Mouse	- One 6-pin mini-DIN connector for keyboard and mouse - One 5-pin header for external keyboard connection

DISPLAY

Graphic Controller	ATI Mobility M6 graphics controller
Graphic Memory	16MB display memory
Display Interface	Support CRT, LVDS, TV-out & DVI(TMDS) display interfaces