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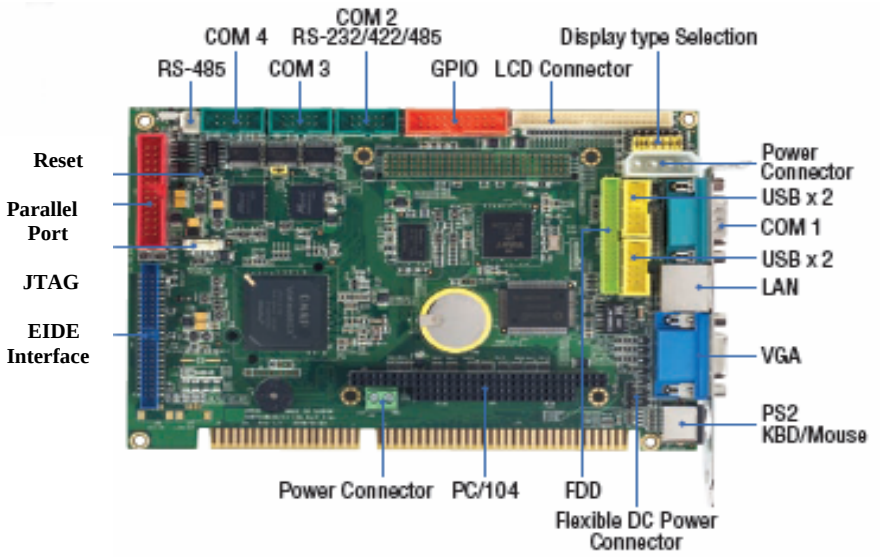
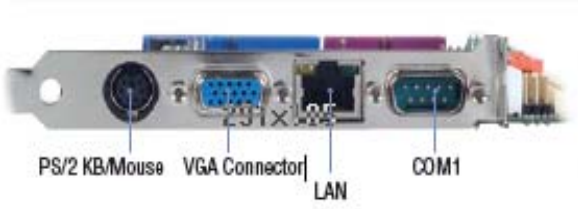
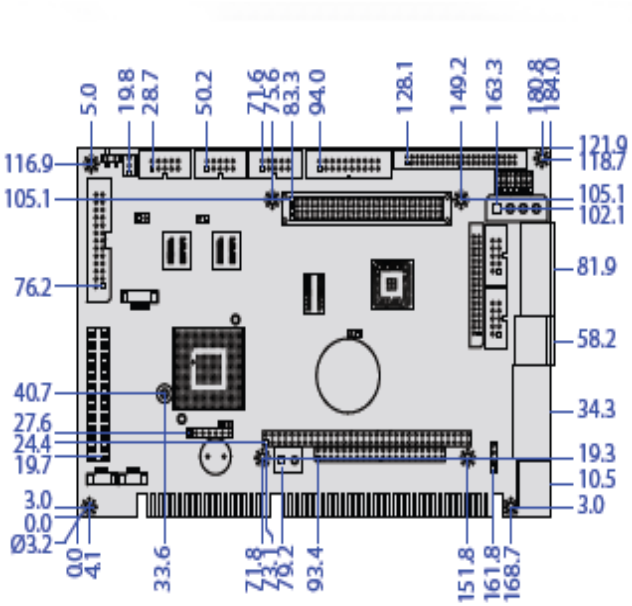
ISA-Slot-CPU VT86-6124



Features

- Vertex CPU with 300 MHz
- OnBoard 128/ 256 MB RAM
- SRAM up to 512 MB
- VGA & Flat Panel Connector
- 100MB Ethernet
- OnBoard Flash Disk
- 3xRS/232, 1 x RS/422 , Parallel Port
- USB x 4
- GPIO Port
- FD Controller
- PC/104
- Single Voltage 5VDC

Specifications

SoC	DM&P SoC CPU Vortex86SX- 300MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache
Bus	PC/104 standard compliant PCI-104, PC/104+ (Optional)
BIOS	AMI BIOS
System Memory	128/256MB DDR2 Onboard
Watchdog Timer 0 & 1 Sets	Software programmable from 30.5µ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
VGA	XGI Volari Z9s Chipset VGA and TFT Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors
LAN	Integrated 10/100Mbps Ethernet
Audio	CM119 USB Audio Controller (Optional)
Flash Disk Support	Onboard 2MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II (Optional)
SRAM support	512KB (Optional)
I/O Interface	Enhanced IDE port (UltraDMA-100/66/33) x1 FDD x1 RS-232 port x3 RS-232/422/485 port x1 USB port (Ver2.0) x4 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x1
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD x1 2.0mm 34-pin box header for FDD x1 2.54mm 26-pin box header for Printer x1 2.54mm 20-pin box header for 16-bit GPIO x1 2.54mm 10-pin box header for RS-232 x3 2.54mm 10-pin box header for USB x2 2.54mm 7-pin header for Redundancy Signal x1 (Optional) 2.54mm 3-pin header for RS-485/422 x1 2.54mm 2-pin header for System-Fail-SW x1 (Optional) 2.54mm 4-pin header for -5V, -12V, +12V, GND, DC-in x1 1.25mm 6-pin wafer for JTAG x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 (Optional) 4-pin male power connector x1 External 15-pin D-Sub female connector for VGA x1 External 9-pin D-Sub male connector for RS-232 x1 External RJ-45 connector for Ethernet x1 External Mini DIN connector for Keyboard/Mouse x1

Power Requirement	Single Voltage +5V @ 660mA
Weight	176g
Board Size	184 x 122mm (7.24 x 4.80 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)