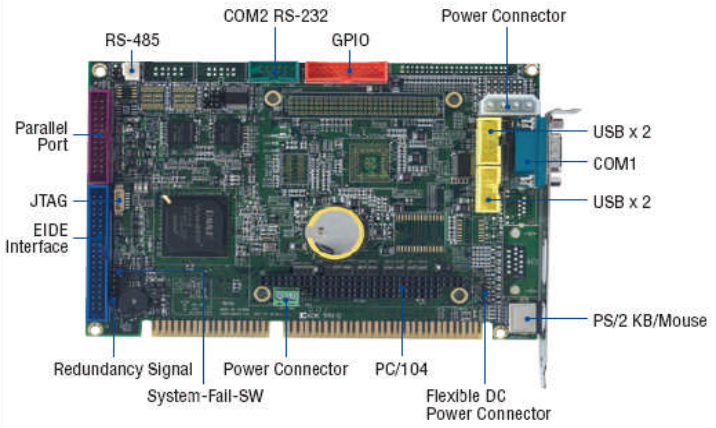
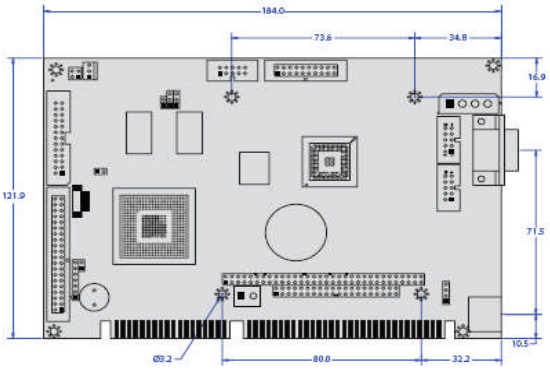
impulse

innovative industrial computer solutions

VSX-6121

128MB/2S/4USB/GPIO





Unit: mm

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	128MB 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)
Flash Disk Support	Onboard 2MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above)
I/O Interface	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x 1 RS-232/485 port x1 USB port (Ver2.0) x4 Parallel port x1 16-bit GPIO port x1
Connectors	2.54mm 40-pin box header for IDE 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 x1 2.54mm 10-pin box header for USB x2 2.54mm 7-pin header for Redundancy Signal x1 2.54mm 3-pin header for RS-485 x1 2.54mm 2-pin header for System-Fail-SW x1 2.54mm 4-pin header for -5V, -12V, +12V, GND, DC-in x1 1.25mm 6-pin wafer for JTAG x1 4-pin male power connector x1 External 9-pin D-Sub male connector for RS-232 x1 External Mini DIN connector for Keyboard/Mouse x1
Power Requirement	Single Voltag +5V @ 300mA
Weight	156g
Board Size	184 X 122mm (7.24 x 4.80 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

Packing List

- VSX-6121 x1
- CD for User's Manual & Driver x1
- Cable
  HDD 40P (2.54) x1
  PRINT (2.54) x1
  USB (2.54) x2
  GPIO (2.54) x1
  RS-232 (2.54) x1
  YKB x1

Ordering information

- **VSX-6121** Vortex86SX Half-Size CPU Module with 128MB DDR2

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