# VSX-6121-FD-V2
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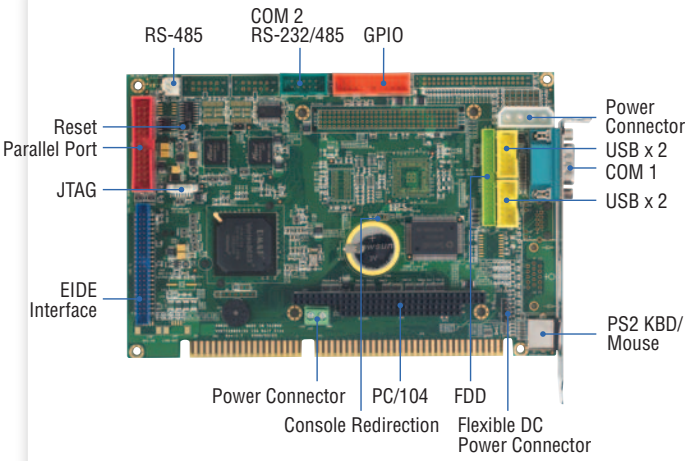
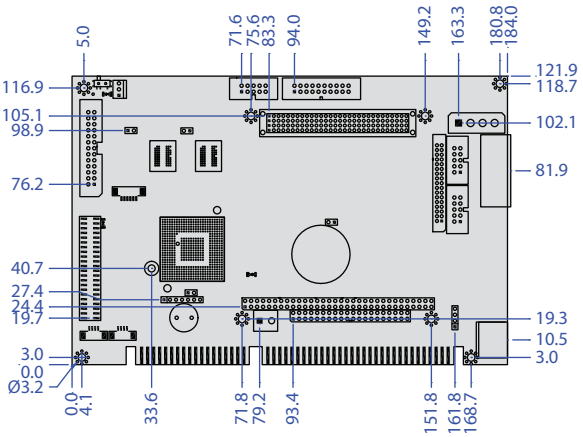
**128MB/2S/4USB/GPIO/FDD**




Unit: mm

## Specifications

| | |
|---|---|
| **SoC** | DM&P SoC CPU Vortex86SX- 300MHz<br>Real Time Clock with Lithium Battery Backup |
| **Cache** | L1:16K I-Cache, 16K D-Cache |
| **Bus** | PC/104 standard compliant<br>PCI-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.<br>x 2 sets (Watchdog 1 fully compatible with M6117D) |
| **Flash Disk Support** | Onboard 2MB SPI Flash Disk<br>MSTI EmbedDisk Module (16MB and above)<br>Compact Flash Type I/II (Optional) |
| **SRAM support** | 512KB (Optional) |
| **I/O Interface** | Enhanced IDE port x1<br>FDD x1<br>RS-232 port x 1<br>RS-232/485 port x1<br>USB port (Ver2.0) x4<br>Parallel port x1<br>16-bit GPIO port x1 |
| **Connectors** | 2.0mm 44-pin box header for IDE x1<br>2.0mm 34-pin box header for FDD x1<br>2.54mm 26-pin box header for Printer x1<br>2.54mm 20-pin box header for 16-bit GPIO x1<br>2.54mm 10-pin box header for RS-232 x1<br>2.54mm 10-pin box header for USB x2<br>2.54mm 7-pin header for Redundancy Signal x1 (Optional)<br>2.54mm 3-pin header for RS-485 x1<br>2.54mm 2-pin header for System-Fail-SW x1 (Optional)<br>2.54mm 4-pin header for -5V, -12V, +12V, GND, DC-in x1<br>1.25mm 6-pin wafer for JTAG x1<br>4-pin male power connector x1<br>External 9-pin D-Sub male connector for RS-232 x1<br>External Mini DIN connector for Keyboard/Mouse x1 |
| **Power Requirement** | Single Voltag +5V @ 360mA / 340mA |
| **Weight** | 156g |
| **Board Size** | 184 x 122mm (7.24 x 4.80 inches) |
| **Operating Temperature** | -20°C ~ +70°C<br>-40°C ~ +85°C (Optional) |

## Packing List

- VSX-6121-FD-V2 x1
- CD for User's Manual & Driver x1
- Cable
  HDD 40P (2.54) x1
  FDD (2.0) x1
  PRINT (2.54) x1
  USB (2.54) x2
  GPIO (2.54) x1
  RS-232 (2.54) x1
  YKB x1

## Ordering information

- **VSX-6121-FD-V2** Vortex86SX Half-Size CPU Module with 128MB DDR2+FDD
- **VSX-6121-V2** Vortex86SX Half-Size CPU Module with 128MB DDR2