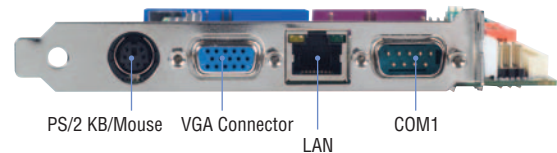


Unit: mm

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 (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 |
| Flash Disk Support | Onboard 2MB SPI Flash Disk MST1 EmbedDisk Module (16MB and above) Compact Flash Type I/II (Optional) |
| SRAM support | 512KB (Optional) |
| I/O Interface | Enhanced IDE port 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 LCD x1 2.0mm 44-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 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 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 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 @ 680mA |
| Weight | 176g |
| 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-6124-V2 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) x3
 - YKB x1

Ordering information

- VSX-6124-V2** Vortex86SX Half-Size CPU Module with 128MB DDR2