



Unit: mm

Specifications

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| 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 |
| BIOS | AMI BIOS |
| System Memory | 128/256MB DDR2 Onboard |
| Watchdog Timer | 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/LVDS 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 |
| I/O Interface | Enhanced IDE port x1 RS-232 port x3 RS-232/422/485 port x1 USB port (Ver2.0) x2 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 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 16-pin header for LVDS x1 2.0mm 10-pin box header for VGA x1 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS-232 x4 2.0mm 8-pin header for Ethernet x1 2.54mm 5-pin box header for Keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 4-pin header for -5V, -12V +12V, GND x1 2.54mm 3-pin header for RS-485 x1 2.54mm 2-pin header for Reset x1 2.54mm 7-pin header for Redundancy Signal x1 (Optional) 2.54mm 2-pin header for System-Fail-SW x1 (Optional) 1.25mm 6-pin wafer for JTAG x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 (Optional) |
| Power Requirement | Single Voltage +5V @ 480mA |
| Weight | 90g |
| Board Size | 90 x 96mm (3.54 x 3.77 inches) |

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| Operating Temperature | -20°C ~ +70°C -40°C ~ +85°C (Optional) |
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Packing List

- VSX-6153-V2 x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.0) x1
 - PRINT (2.0) x1
 - VGA (2.0) x1
 - RS-232 (2.0) x4
 - USB (2.0) x1
 - NET 4 x 2 (2.0) x1
 - GPIO (2.0) x1
 - PS2 KB White x1
 - PS2 Mouse Black x1
- Screw Kit x1

Ordering information

- VSX-6153-V2 Vortex86SX PC/104 CPU Module with 128MB DDR2

Compact Flash Type I/II



VSX-6153-V2

- 1 μProcessor Module
- 2 Mity/Tiny CPU Module
- 3 PC/104 CPU Module
- 4 Half-Size CPU Module
- 5 3.5" CPU Module
- 6 Peripheral Module
- 7 Display Product Series
- 8 Accessories & Technical Information