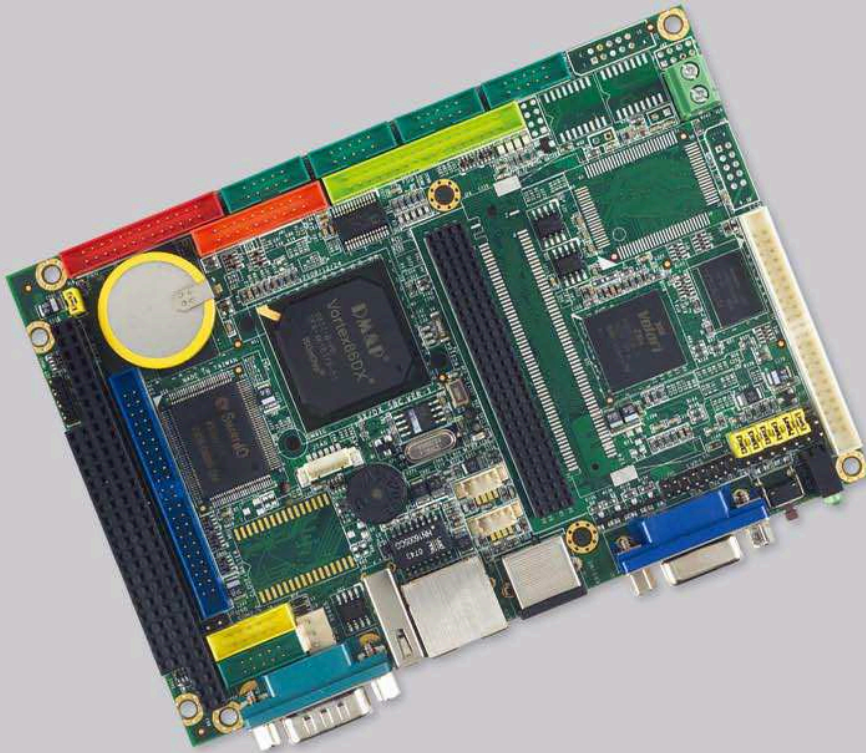


3.5" CPU Module

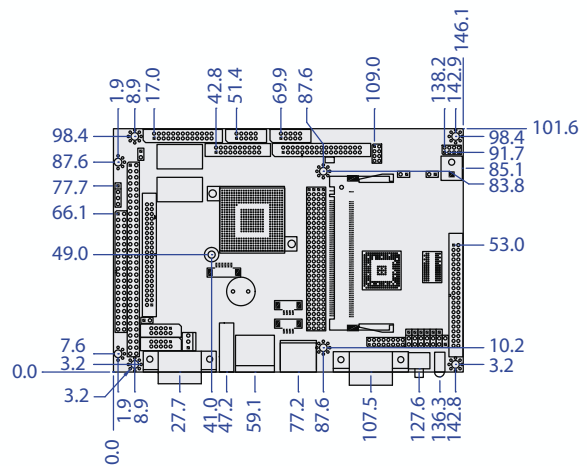
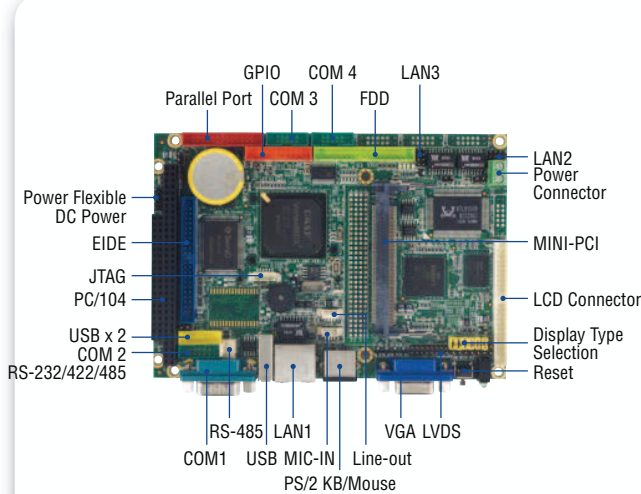
support 486 to Pentium level with fanless, low power consumption, and wide operating temperature.



| | | |
|-------------|---|----|
| VDX-6326 | Vortex86DX 3.5" CPU Module 256MB/4S/3USB/VGA/LCD/LVDS/AUDIO/3LAN/GPIO/CF/PWMx16..... | 76 |
| VDX-6327 | Vortex86DX 3.5" CPU Module 256MB/8S/3USB/VGA/LCD/LVDS/LAN/GPIO/CF/FDD/PWMx16 | 77 |
| VDX-6328 | Vortex86DX 3.5" CPU Module 256MB/6S/3USB/VGA/LCD/LVDS/AUDIO/LAN/GPIO/CF/FDD/PWMx16 .. | 78 |
| VDX-6329 | Vortex86DX 3.5" CPU Module 256MB/6S/2USB/VGA/LCD/AUDIO/2LAN/CF/FDD..... | 79 |
| VSX-6127-V2 | Vortex86SX 3.5" CPU Module 128MB/8S/3USB/VGA/LCD/LVDS/LAN/GPIO/CF/FDD | 80 |

VDX-6326

256MB/4S/3USB/VGA/LCD/LVDS/
AUDIO/3LAN/GPIO/CF/FDD/PWMx16



Unit: mm

Specifications

| | |
|---------------------------|--|
| SoC | DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup |
| Cache | L1:16K I-Cache, 16K D-Cache L2 Cache 128KB |
| Bus | PC/104 standard compliant PCI-104 (Optional) |
| BIOS | AMI BIOS |
| System Memory | 256/512MB 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 Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability |
| Audio | CM119 USB Audio controller |
| Flash Disk Support | Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II 44-pin IDE to Micro SD (Optional) |
| PWM | 16~24 Channels |
| SRAM support | 512KB (Optional) |
| I/O Interface | Enhanced IDE port (UltraDMA-100/66/33) x1 FDD x 1 RS-232 port x3 RS-232/422/485 port x1 USB port (2.0) x3 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x3 |
| Connectors | 2.54mm 4-pin header for +12V, -12V, -5V, GND x 1 2.54mm 2-pin header for Reset x1 2.54mm 3-pin header for RS-485 x1 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 x 1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for RS-232 x3 2.0mm 10-pin box header for USB x1 2.0mm 8-pin header for Ethernet x2 1.25mm 6-pin wafer for JTAG x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 0.8mm 124-pin Mini-PCI card connector x 1 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 USB connector x 1 External Mini DIN connector for Keyboard/Mouse x1 Type I/II Compact Flash Slotx1 |
| Power Requirement | Single Voltage +5V @ 880mA |

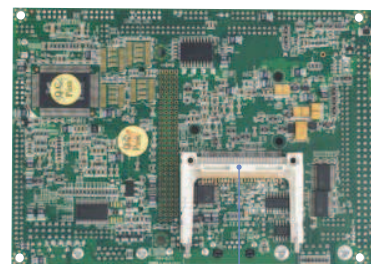
| | |
|------------------------------|---|
| Weight | 150g |
| Board Size | 102 x 144mm (4.01 x 5.67 inches) |
| Operating Temperature | -20°C ~ +70°C -40°C ~ +85°C (Optional) |

Packing List

- VDX-6326 x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.0) x1
 - FDD 44P (2.0) x1
 - PRINT (2.0) x1
 - USB (2.0) x1
 - NET 4x2 (2.0) x2
 - RS-232 (2.0) x3
 - GPIO (2.0) x1
 - Audio Line x2
 - YKB x1

Ordering information

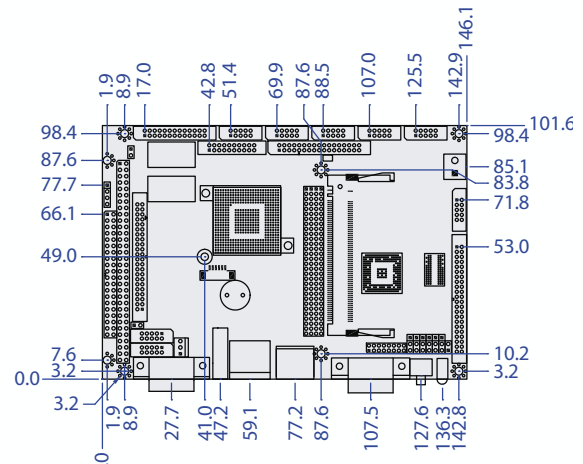
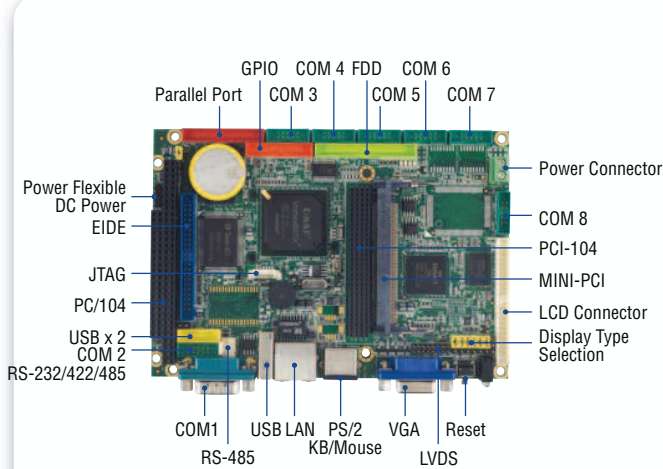
- **VDX-6326** Vortex86DX 3.5" CPU Module with 256MB DDR2
- **VDX-6326-512** Vortex86DX 3.5" CPU Module with 512MB DDR2



Compact Flash Type I/II

VDX-6327

256MB/8S/3USB/VGA/LCD/LVDS/
LAN/GPIO/CF/FDD/PWMx16



Unit: mm

Specifications

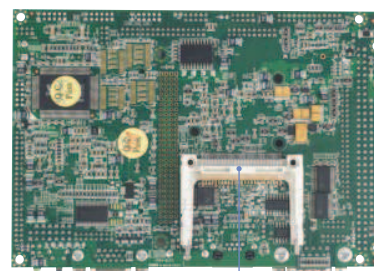
| | |
|------------------------------|--|
| SoC | DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup |
| Cache | L1:16K I-Cache, 16K D-Cache L2 Cache 128KB |
| Bus | PCI-104+ standard compliant |
| BIOS | AMI BIOS |
| System Memory | 256/512MB DDR2 Onboard |
| Watchdog Timer | 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 |
| Flash Disk Support | Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II 44-pin IDE to Micro SD (Optional) |
| PWM | 16-24 Channels |
| SRAM support | 512KB (Optional) |
| I/O Interface | Enhanced IDE port (UltraDMA-100/66/33) x1 FDD x 1 RS-232 port x7 RS-232/422/485 port x1 USB port (2.0) x3 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x1 |
| Connectors | 2.54mm 4-pin header for +12V, -12V, -5V, GND x 1 2.54mm 2-pin header for Reset x1 2.54mm 3-pin header for RS-485 x1 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 x 1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for RS-232 x7 2.0mm 10-pin box header for USB x1 1.25mm 6-pin wafer for JTAG x1 0.8mm 124-pin Mini-PCI card connector x 1 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 USB connector x 1 External Mini DIN connector for Keyboard/Mouse x1 Type I/II Compact Flash Slot x1 |
| Power Requirement | Single Voltage +5V @ 840mA |
| Weight | 150g |
| Board Size | 102 x 144mm (4.01 x 5.67 inches) |
| Operating Temperature | -20°C ~ +70°C -40°C ~ +85°C (Optional) |

Packing List

- VDX-6327 x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.0) x1
 - FDD 44P (2.0) x1
 - PRINT (2.0) x1
 - USB (2.0) x1
 - RS-232 (2.0) x7
 - GPIO (2.0) x1
 - YKB x1

Ordering information

- **VDX-6327** Vortex86DX 3.5" CPU Module with 256MB DDR2
- **VDX-6327-512** Vortex86DX 3.5" CPU Module with 512MB DDR2

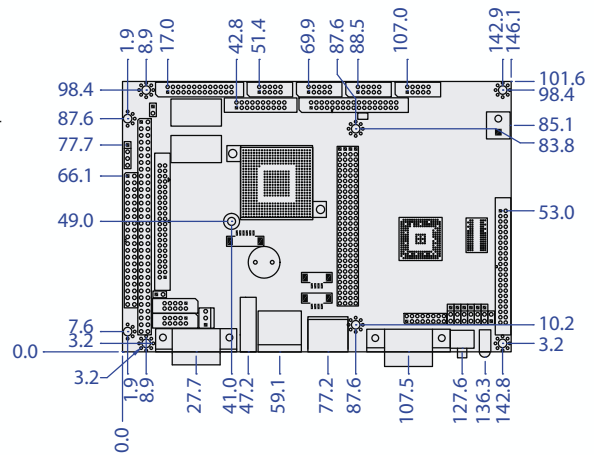
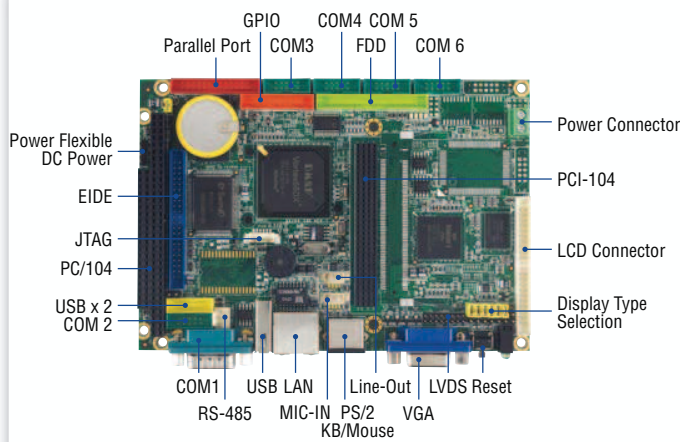


Compact Flash Type I/II

- 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

VDX-6328

256MB/6S/3USB/VGA/LCD/LVDS/
AUDIO/LAN/GPIO/CF/FDD/PWMx16



Specifications

| | |
|---------------------------|--|
| SoC | DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup |
| Cache | L1:16K I-Cache, 16K D-Cache L2 Cache 128KB |
| Bus | PCI-104+ standard compliant |
| BIOS | AMI BIOS |
| System Memory | 256/512MB 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 |
| Flash Disk Support | Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II 44-pin IDE to Micro SD (Optional) |
| PWM | 16~24 Channels |
| SRAM support | 512KB (Optional) |
| I/O Interface | Enhanced IDE port (UltraDMA-100/66/33) x1 FDD x 1 RS-232 port x5 RS-232/422/485 port x1 USB port (2.0) x3 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x1 |
| Connectors | 2.54mm 4-pin header for +12V, -12V, -5V, GND x 1 2.54mm 2-pin header for Reset x1 2.54mm 3-pin header for RS-485 x1 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 x 1 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 2.0mm 10-pin box header for RS-232 x5 2.0mm 10-pin box header for USB x1 1.25mm 6-pin wafer for JTAG x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 0.8mm 124-pin Mini-PCI card connector x 1 (Optional) 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 USB connector x 1 External Mini DIN connector for Keyboard/Mouse x1 Type I/II Compact Flash Slot x1 |
| Power Requirement | Single Voltage +5V @ 840mA |
| Weight | 150g |

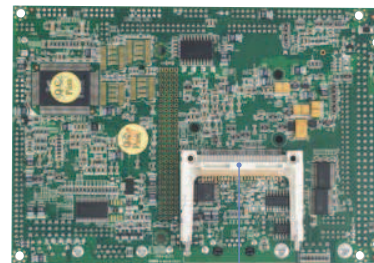
| | |
|------------------------------|---|
| Board Size | 102 x 144mm (4.01 x 5.67 inches) |
| Operating Temperature | -20°C ~ +70°C -40°C ~ +85°C (Optional) |

Packing List

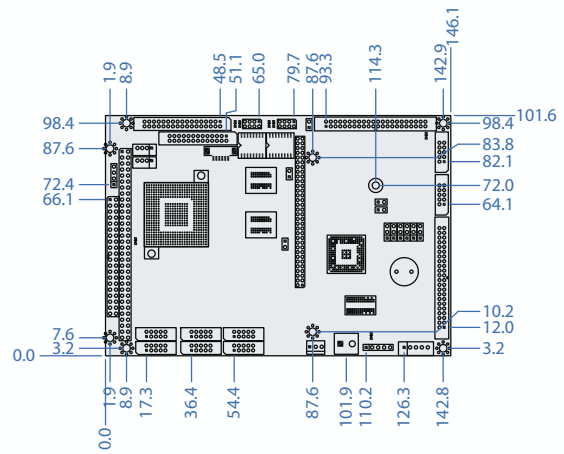
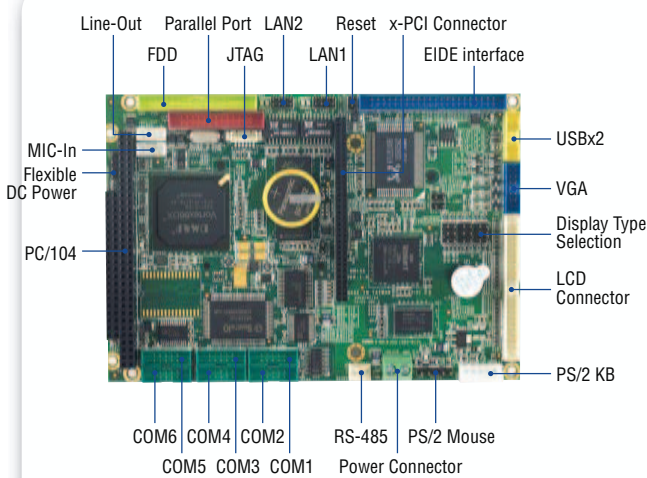
- VDX-6328 x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.0) x1
 - FDD 44P (2.0) x1
 - PRINT (2.0) x1
 - USB (2.0) x1
 - RS-232 (2.0) x5
 - GPIO (2.0) x1
 - Audio Line x2
 - YKB x1

Ordering information

- **VDX-6328** Vortex86DX 3.5" CPU Module with 256MB DDR2
- **VDX-6328-512** Vortex86DX 3.5" CPU Module with 512MB DDR2



Compact Flash Type I/II



Unit: mm

Specifications

| | |
|---------------------------|---|
| SoC | DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup |
| Cache | L1:16K I-Cache, 16K D-Cache L2 Cache 128KB |
| Bus | PC/104 standard compliant 32-bit x-PCI interface, compatible with PCI Rev.2.1 |
| BIOS | AMI BIOS |
| System Memory | 256/512MB 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 Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors |
| LAN | Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability |
| Audio | CM119 USB Audio controller |
| Flash Disk Support | Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II 44-pin IDE to Micro SD (Optional) |
| SRAM Support | 512KB (Optional) |
| I/O Interface | Enhanced IDE port (UltraDMA-100/66/33) x1 FDD x 1 RS-232 port x5 RS-232/422/485 port x1 USB port (2.0) x2 Parallel port x1 10/100Mbps Ethernet port x2 |
| Connectors | 2.54mm 4-pin header for +12V, -12V, -5V, GND x 1 2.54mm 5-pin box header for keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 3-pin header for RS-485 x1 2.54mm 2-pin header for Reset x1 2.0mm 8-pin header for Ethernet x2 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 x 1 2.0mm 26-pin box header for Printer x1 2.0mm 10-pin box header for RS-232 x6 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for VGA x1 2.0mm 4-pin wafer for Line-out/MIC-in x2 1.25mm 6-pin wafer for JTAG x1 Type I/II Compact Flash Slot x1 |

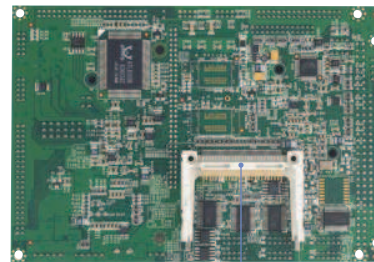
| | |
|------------------------------|---|
| Power Requirement | Single Voltage +5V @ 800mA |
| Weight | 150g |
| Board Size | 102 x 144mm (4.01 x 5.67 inches) |
| Operating Temperature | -20°C ~ +70°C -40°C ~ +85°C (Optional) |

Packing List

- VDX-6329 x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.0) x1
 - FDD 44P (2.0) x1
 - PRINT (2.0) x1
 - VGA (2.0) x1
 - USB (2.0) x1
 - RS-232 (2.0) x6
 - Audio Line x2
 - PS2 KB White x1
 - PS2 KB (TEST) Black x1
 - NET 4x2 (2.0) x2

Ordering information

- **VDX-6329** Vortex86DX 3.5" CPU Module with 256MB DDR2
- **VDX-6329-512** Vortex86DX 3.5" CPU Module with 512MB DDR2



Compact Flash Type I/II

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

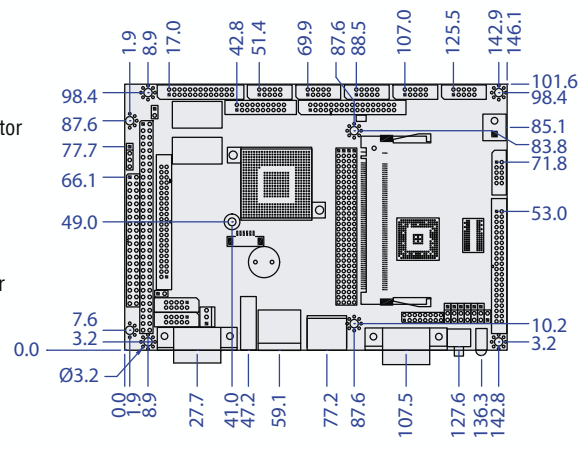
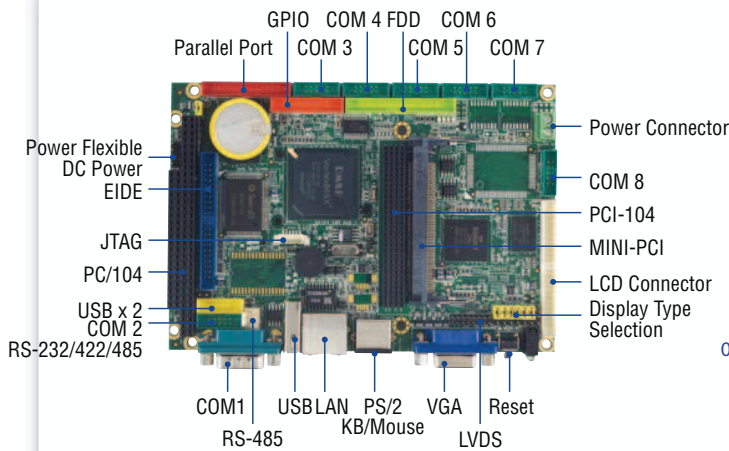
Display Product Series

8

Accessories & Technical Information

VSX-6127-V2

128MB/8S/3USB/LVDS/VGA/LCD/LAN/
GPIO/CF/FDD

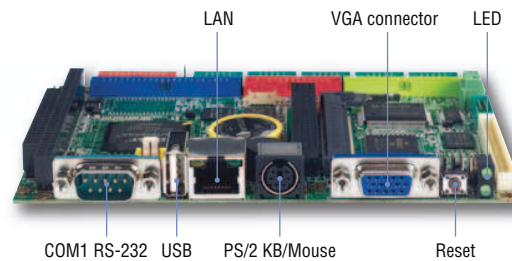


Unit: mm

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 |
| 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/LVDS Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280 x 1024, 16M colors |
| LAN | Integrated 10/100Mbps Ethernet |
| Flash Disk Support | Onboard 2MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II |
| SRAM support | 512KB (optional) |
| I/O Interface | Enhanced IDE port x1 FDD x 1 RS-232 port x7 RS-232/422/485 port x1 USB port (Ver2.0) x3 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 x 1 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 RS-232 x7 2.0mm 10-pin box header for USB x1 2.54mm 4-pin header for +12V, -12V, -5V, GND x 1 2.54mm 3-pin header for RS-485 x1 1.25mm 6-pin wafer for JTAG x1 0.8mm 124-pin Mini-PCI card connector x 1 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 USB connector x 1 External Mini DIN connector for Keyboard/Mouse x1 Type I/II Compact Flash Slot x1 |

| | |
|------------------------------|---|
| Power Requirement | Single Voltage +5V @ 800mA |
| Weight | 148g |
| Board Size | 102 x 144mm (4.01 x 5.67 inches) |
| Operating Temperature | -20°C ~ +70°C -40°C ~ +85°C (Optional) |



Packing List

- VSX-6127-V2 x1
- CD for User's Manual & Driver x1
- Cable
HDD 44P (2.0) x1
FDD 34P (2.0) x1
PRINT (2.0) x1
USB (2.0) x1
GPIO (2.0) x1
RS-232 (2.0) x7
YKB x1

Ordering information

- VSX-6127-V2** Vortex86SX 3.5" CPU Module with 128MB DDR2