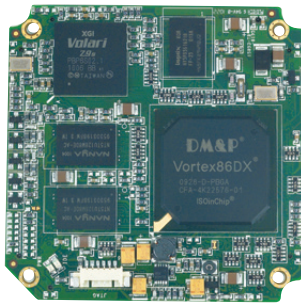


# SOM304RD-VI



## Specifications

<b>SoC</b>	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache,L2 Cache 256KB
<b>Bus</b>	ISA bus standard compliant
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	256 / 512MB DDR2 Onboard
<b>Watchdog Timer</b>	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
<b>VGA</b>	XGI Volaris Z9s Chipset VGA and TFT Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors
<b>LAN</b>	Integrated 10/100Mbps Ethernet
<b>Flash Disk Support</b>	Onboard 4MB SPI Flash Disk Onboard SST Flash Disk 512MB/1GB/2GB/4GB (Optional) MSTI EmbedDisk Module (16MB and above) 44-pin IDE to microSD (Optional)
<b>PWM</b>	24-32 Channels
<b>I2C</b>	Controlled by GP 34/35
<b>Serial Console</b>	Controlled by GP 36/37
<b>I/O interface</b>	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x5 (TX/RX x1) USB port (Ver2.0) x4 Parallel port x1 16-bit GPIO port x2 10/100Mbps Ethernet port x1
<b>Connectors</b>	1.27mm 76-pin box header for signal x4 1.25mm 6-pin wafer for JTAG x1
<b>Power Requirement</b>	Single Voltage +5V @ 620mA
<b>Dimension</b>	70 (L) x 70 (W) x 10.5 (H) mm (With Cover)
<b>Weight</b>	25g
<b>Operating Temperature</b>	-20°C ~ +70°C -40°C ~ +85°C (Optional)

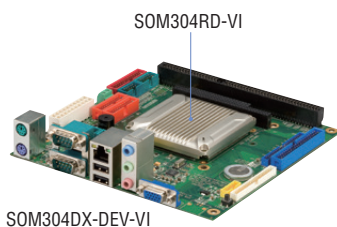
## Packing List

- SOM304RD52VINE1 x 1

## Ordering Information

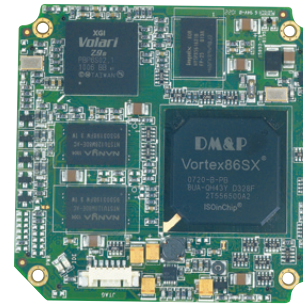
- **SOM304RD52VINE1** Vortex86DX SOM304 CPU module w/256MB DDR2
- **SOM304RD53VINE1** Vortex86DX SOM304 CPU module w/512MB DDR2
- **SOM304RD52VIBE1** Vortex86DX SOM304 CPU module w/256MB DDR2, NAND Flash 512MB
- **SOM304RD53VIDE1** Vortex86DX SOM304 CPU module w/512MB DDR2, NAND Flash 2GB
- **SOM304DX-DEV-VI** SOM304RD-VI Development Board

### SOM304DX-DEV-VI Development Kit



SOM304DX-DEV-VI

# SOM304SX-VI



## Specifications

<b>SoC</b>	DM&P SoC CPU Vortex86SX- 300MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache,L2 Cache 256KB
<b>Bus</b>	ISA bus standard compliant
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	128 MB DDR2 Onboard
<b>Watchdog Timer</b>	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
<b>VGA</b>	XGI Volaris Z9s Chipset VGA and TFT Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors
<b>LAN</b>	Integrated 10/100Mbps Ethernet
<b>Flash Disk Support</b>	Onboard 2MB SPI Flash Disk Onboard SST Flash Disk 512MB/1GB/2GB/4GB (Optional) MSTI EmbedDisk Module (16MB and above)
<b>Serial Console</b>	Controlled by GP 36/37
<b>I/O interface</b>	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x5 (TX/RX x1) USB port (Ver2.0) x4 Parallel port x1 16-bit GPIO port x2 10/100Mbps Ethernet port x1
<b>Connectors</b>	1.27mm 76-pin box header for signal x4 1.25mm 6-pin wafer for JTAG x1
<b>Power Requirement</b>	Single Voltage +5V @ 600mA
<b>Dimension</b>	70 (L) x 70 (W) x 10.5 (H) mm (With Cover)
<b>Weight</b>	25g
<b>Operating Temperature</b>	-20°C ~ +70°C -40°C ~ +85°C (Optional)

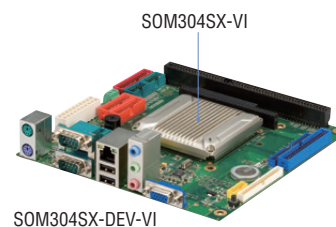
## Packing List

- SOM304SX31VINE1 x 1

## Ordering Information

- **SOM304SX31VINE1** Vortex86SX SOM304 CPU module w/128MB DDR2
- **SOM304SX31VIBE1** Vortex86DX SOM304 CPU module w/128MB DDR2, NAND Flash 512MB
- **SOM304SX-DEV-VI** SOM304SX-VI Development Board

### SOM304SX-DEV-VI Development Kit



SOM304SX-DEV-VI