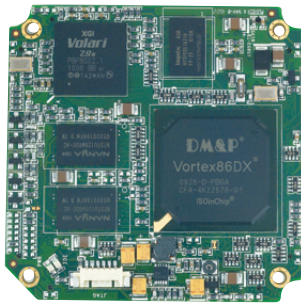


SOM304RD-VI



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 256KB
Bus	ISA bus 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 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 Onboard SST Flash Disk 512MB/1GB/2GB/4GB (Optional) MSTI EmbedDisk Module (16MB and above) 44-pin IDE to microSD (Optional)
PWM	24-32 Channels
I2C	Controlled by GP 34/35
Serial Console	Controlled by GP 36/37
I/O interface	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
Connectors	1.27mm 76-pin box header for signal x4 1.25mm 6-pin wafer for JTAG x1
Power Requirement	Single Voltage +5V @ 620mA
Dimension	70 (L) x 70 (W) x 10.5 (H) mm (With Cover)
Weight	25g
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

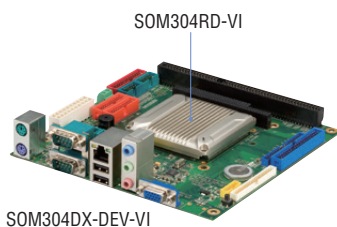
Packing List

- SOM304RD52VINE1 x 1

Ordering Information

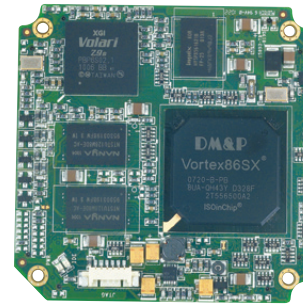
- SOM304RD52VINE1** Vortex86DX SOM304 CPU module w/256MB DDR2
- SOM304RD53VINE1** Vortex86DX SOM304 CPU module w/512MB DDR2
- SOM304RD52VIBE1** Vortex86DX SOM304 CPU module w/256MB DDR2, NAND Flash 512MB
- SOM304RD53VIDE1** Vortex86DX SOM304 CPU module w/512MB DDR2, NAND Flash 2GB
- SOM304DX-DEV-VI**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

SOM304DX-DEV-VI Development Kit



SOM304DX-DEV-VI

SOM304SX-VI



Specifications

SoC	DM&P SoC CPU Vortex86SX- 300MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache,L2 Cache 256KB
Bus	ISA bus standard compliant
BIOS	AMI BIOS
System Memory	128 MB 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	Integrated 10/100Mbps Ethernet
Flash Disk Support	Onboard 2MB SPI Flash Disk Onboard SST Flash Disk 512MB/1GB/2GB/4GB (Optional) MSTI EmbedDisk Module (16MB and above)
Serial Console	Controlled by GP 36/37
I/O interface	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
Connectors	1.27mm 76-pin box header for signal x4 1.25mm 6-pin wafer for JTAG x1
Power Requirement	Single Voltage +5V @ 600mA
Dimension	70 (L) x 70 (W) x 10.5 (H) mm (With Cover)
Weight	25g
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

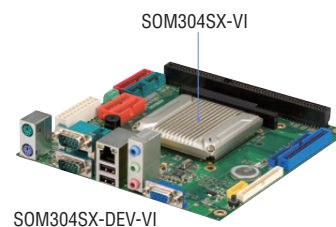
Packing List

- 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