



Video Appliances built on the award winning [SUPERMICRO](#) server platforms

SUPERMICRO®

VMS Video Appliance

V16S Series Specifications



Key Features

1. Dual CPU sockets, Intel® 5500/5600 series Xeon® Quad-Core, with QPI up to 6.4 GT/s
2. DDR3 1333/ 1066/ 800MHz Up to 48GB ECC Registered/ 24GB ECC Un-Buffered RAM
3. 1x full-height, half length PCI slot with a Riser Card
4. 2x Intel® 82574L Gigabit Ethernet Controllers
5. 4 x 3.5" SAS/SATA Hot-swap Drive Bays
6. 520W or better High-Efficiency Power Supply with PFC

Specifications

Processor

- Dual LGA 1366 Sockets
- Supports Quad-Core Intel® Xeon® Processor 5500/5600 series

System Memory

- 6x 240-pin DIMM sockets
- Supports up to 48GB 1333/ 1066/ 800MHz DDR3 ECC Registered memory, or up to 24GB 1333/ 1066/ 800MHz DDR3 ECC Un-Buffered SDRAM
- Three Channel Memory Bus
- Error Detection – Corrects single bit errors, Detects double bit errors (using ECC memory) and Supports Intel® SDCC

On-Board Devices

- Intel® 5500 Tylersburg chipset
- Intel ICH10R SATA 3.0Gbps Controller - RAID 0, 1, 5, 10 support for Windows, RAID 0, 1, 10 support for Linux
- 2x Intel® 82574L Gigabit Ethernet Controllers; supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
- Matrox G200eW Graphics
- Super I/O – Winbond 83827HF chip

Health Monitoring

- Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, HT, Memory, Chipset Voltages
- 4-Phase-switching voltage regulator
- Temperature monitoring for CPU and chassis environment
- Thermal Control for 6x fan connectors
- PECL
- Chassis intrusion detection
- Total six fan headers supporting up to six fans with tachometer monitoring
- Low noise fan speed control

System Cooling

- 4x 40mm 12,500 RPM PWM fans

Expansion Slots

- 1x full-height, half-length PCI expansion slot with a Riser Card

Input / Output

- Four Serial ATA ports supports four SATA hard drives supported
- 1 Floppy controller; 1.44MB
- 2x RJ45 LAN ports
- 2x USB rear ports, 1x USB on-board, 2x USB internal headers
- Total 5 USB 2.0 compliant
- 1x VGA port
- PS/2 keyboard and mouse ports
- 1 Fast UART 16550 serial port
- 1 Fast UART 16550 serial header (option)

Dimensions

- 1U Rackmount Form Factor
- HxWxD – 1.7"x17.2"x19.8" (43mmx437mmx503mm)
- Gross Weight – 31lbs (14.1kg)

Power Supply

- 520W high-efficiency power supply w/ PFC
- AC Input – 100-240V, 50-60Hz, 10-4A
- DC Output – 3A @ +5V standby, 39A @ +12V
- +5V – 20A, -12V – 0.5A, +3.3V – 16A

Operating Environment / Compliance

- RoHS Compliant
- Operating Temperature: 10° to 35°C (50° to 95°F)
- Operating Relative Humidity: 8% to 90% (non-condensing)