

DIGITAL AUDIO
NitroAV
Specifications

NitroAV Vangaurd V - System Architecture

- ⌘ Toshiba TMPR4927ATB 200MHz 64-bit RISC processor
- ⌘ 64MB on-board cache memory with ECC protection
- ⌘ 5 channels IDE controller w/ enhanced H/W XOR engine
- ⌘ NVRAM for RAID configuration & transaction log
- ⌘ Write-through or write-back cache support
- ⌘ Firmware in Flash ROM for easy upgrades

RAID Features

- ⌘ RAID level 0, 1 (0+1), 3, 5 and JBOD
- ⌘ Multiple RAID selection
- ⌘ Array Roaming
- ⌘ Automatically and transparently rebuilds hot spare drives
- ⌘ Hot swap new drives without taking the system down
- ⌘ Instant availability and background initialization
- ⌘ Automatic drive insertion / removal detection and rebuilding

Disk Bus Interface

- ⌘ Ultra ATA/133 compatible
- ⌘ 5 channels, operating in parallel
- ⌘ 5 hot-swap drive trays
- ⌘ 48-bit LBA support allows disk exceeding 137GB
- ⌘ Staggering the Spin-Up of Individual Disk to Solve the Power-on Surge

Vanguard V Firewire800/1394b Host Bus Interface

- ⌘ Three interfaces:
Firewire 800Mb(1394b) , USB2.0 & Serial ATA 1.0
- ⌘ Firewire 800Mb(1394b) : Transfer rate up to 88MB/sec
- ⌘ USB2.0 : Transfer rate up to 56MB/sec
- ⌘ Serial ATA 1.0 - 1.5Gbps(150 MB/sec)

Monitors / Indicators

- ⌘ Push Buttons and LCD Display Panel for setup ,alarm mute and configuration
- ⌘ 5 drive LED indicators and 3 environment LED indicators
- ⌘ Environment and drive failure indication through LCD, LED and alarm buzzer
- ⌘ Built-in alarm

RAID Management

- ⌘ Bootable CD VT-100 utility for X86-based system initialization
- ⌘ Field-upgradeable firmware in flash ROM via RS-232 port
- ⌘ Web browser-based RAID management via HTTP PROXY through RS-232 port for windows & Linux system
- ⌘ Firmware-embedded manager via RS-232 port (platform independent)

Software Drivers

- ⌘ Host OS Independent: works with all know & current operating systems that support FireWire, SATA or USB, Windows, MacOS 9.x & MacOS X, Linux, etc..

Mechanical

- ⌘ Dimension (W x H x D) 6.4" x 10.6" x 9" or
➔ 162 x 270 x 228 mm
- ⌘ Weight
➔ ~22 lbs/10 kg (w/ disk drive)
- ➔ AC power Jack
- ➔ DB9 serial port
- ➔ 2 * Firewire 800Mb, 1*USB2.0 and 1 * SATA connector.

Environmental

- ⌘ Operating Temperature
➔ Temperature: +5 C to +40 C
- ➔ Humidity: 15-80%, non-condensing
- ⌘ Storage Temperature
➔ Temperature: -40 C to 70 C
- ➔ Humidity: 5-90%, non-condensing

Electrical

- ⌘ Input Voltage AC 90V~230V Auto Switch