



Arima
» Server Board
Product

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CARDS

NV300



NV300

DM

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NV300 is designed around Nvidia nForce Professional 2200 and AMD8131 chipsets that provide seamless integration with dual core AMD® Opteron™ processors with 2000MT/s HyperTransport that outputs at faster rate than ever before. NV300 supports up to 32 GB DDR400 registered memory with ECC which achieves a fine balance of spacing saving and memory power.

NV300 is the platform PCI Express core-logic solutions for Dual core AMD Opteron processors-based computing platforms, offering full 32-bit and 64-bit support for Linux and Microsoft Windows environments. NVIDIA nForce Professional MCPs employ a scalable, innovative, single-chip architecture that offers a range of technological capabilities, such as the latest RAID storage technology and native Gigabit Ethernet controller that improves overall system efficiency and performance.

Product SKUs	
Related Product	

Processor
- Supports Single and Dual Core processors
- Supports up to Opteron 252 2.6GHz and plus
- Onboard VRD (4 Phase)
HyperTransport™
- 2000 MT/s
Chipset
- NVIDIA nForce Professional 2200
- AMD 8131
Main Memory
- 4+4 184-pin 2.6-Volt DDR DIMM sockets
- Supports DDR-400/333/266 memory
- Supports Registered ECC type memory modules only
- Supports up to 32GB
System BIOS
- 4MB Flash EEPROM with Phoenix BIOS
- I2C support
- Legacy USB support
- SMBIOS 2.3 compliant
- DMI 2.0 compliant
- Soft Power-down
- Secure Boot
- Multiple boot support
IDE Bus
- Single channel master mode
- Supports up to two Enhanced IDE devices
- Ultra DMA 100/66/33 MB/s
PCI Slots
- 1 PCI-E x16 slot
- 2 PCI-X (64bit/133/100MHz) slots
- 1 PCI (32bit/33MHz) slots
LAN
- Integrated Marvell 8053 PCI-E Gigabit Ethernet
Serial ATA 2
- Integrated Serial ATA II 4 Ports on Die (NVIDIA nForce Professional 2200)
Audio
- Integrated Realtek ALC-650, Professional 6-channel Audio

- AC'97 CODEC

Onboard Multi I/O

- 1 (9-pin) serial ports with UART 16550

- Single RJ-45 LAN port

- Two onboard USB2.0 connectors and one external head

- Three phone jacks

- One CD-In connector

- PS/2 mouse and keyboard connectors with Wake-up function

System Management

- Super I/O SMSC SCH5017

- Arima SmartWatch server management software

M/B Size

- ATX form factor with size: 12" X 10"

- EPS 12V power connectors (24pin + 8pin)