

# DFI LanParty nF4 SLI-DR Motherboard

## Chipset Intro

### **NVIDIA nForce4 SLI - The ultimate enthusiast platform**

*High performance NVIDIA nForce 4 SLI MCPs deliver comprehensive features for advanced PC security, reliable PC storage, SLI technology and PCI Express bus architecture. NVIDIA nForce4 MCPs offer Intel enthusiasts stable, reliable, compatible platform support for ultimate PC performance.*



### **NVIDIA SLI Support for extreme performance**

*Supports two NVIDIA SLI-ready graphics cards for scalable performance. NVIDIA nForce4 SLI MCPs include dedicated SLI hardware to maximize gaming performance.*

### **NVIDIA MediaShield - Advanced storage with RAID technology**

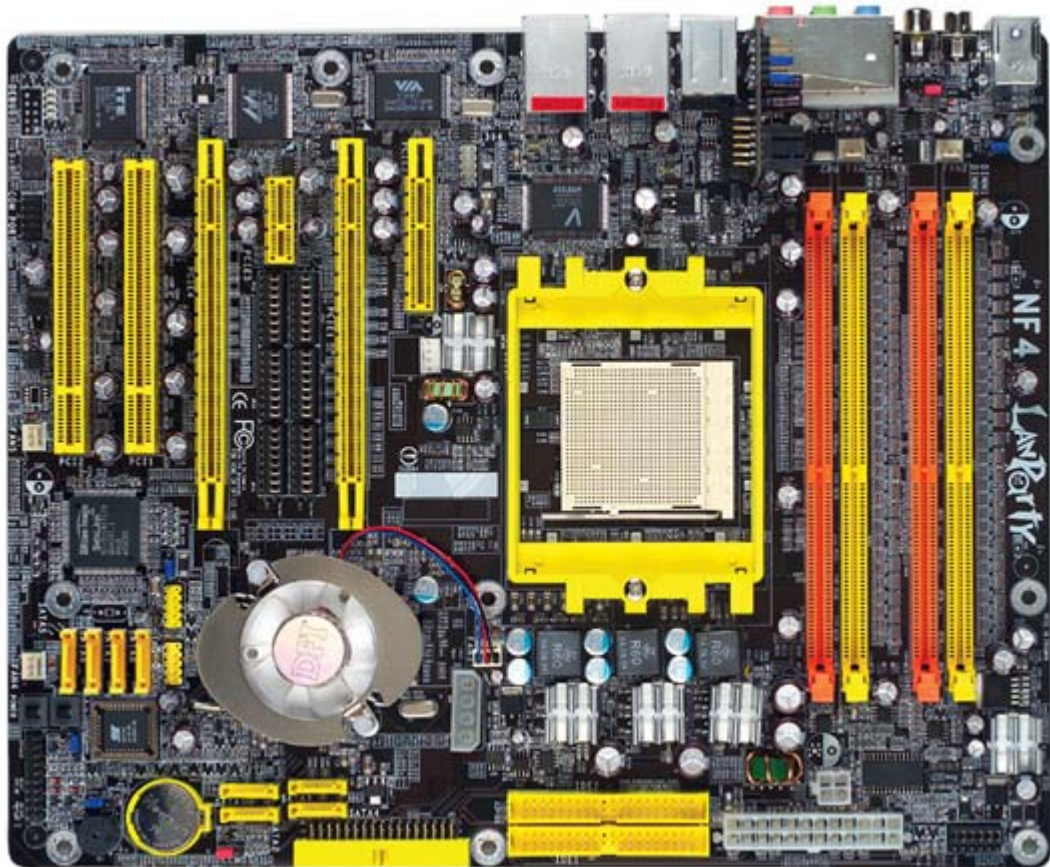
*Unique support for four SATA 3Gb/s and four ATA-133 drives. RAID 0, RAID 1, and RAID 0+1 support, enabling fast disk data transfers. Allows RAID arrays across both SATA and PATA hard drives and provides advanced features like the NVIDIA disk alert system that immediately alerts you if a drive fails, and dedicated spare disks that will automatically rebuild if a failed hard drive is detected.*

### **NVIDIA ActiveArmor - Unmatched security**

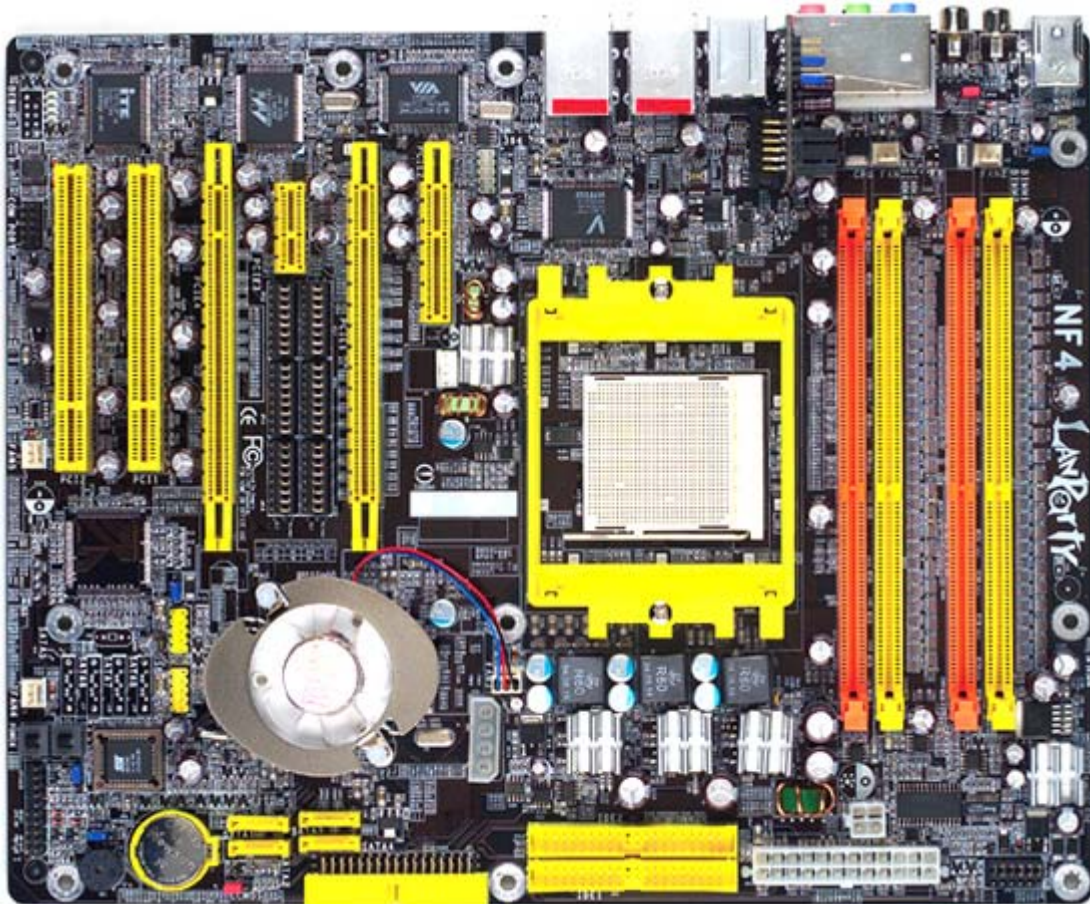
*Dedicated hardware-based ActiveArmor Secure Networking Engine and ActiveArmor Firewall protect your PC from hackers and spyware the minute it is turned on and filters out any unauthorized or suspicious traffic. NVIDIA ActiveArmor Firewall secures your PC against a wide range of attacks including IP-spoofing and ARP cache poisoning. Additionally, ActiveArmor Secure Networking Engine performs network and security processing in the MCP, leaving the CPU free for gameplay.*

## Features

### **High Build Quality and Excellent Board Layout**



LANPARTY nF4 SLI-DR/ LANPARTY UT SLI-DR



LANPARTY UT SLI-D

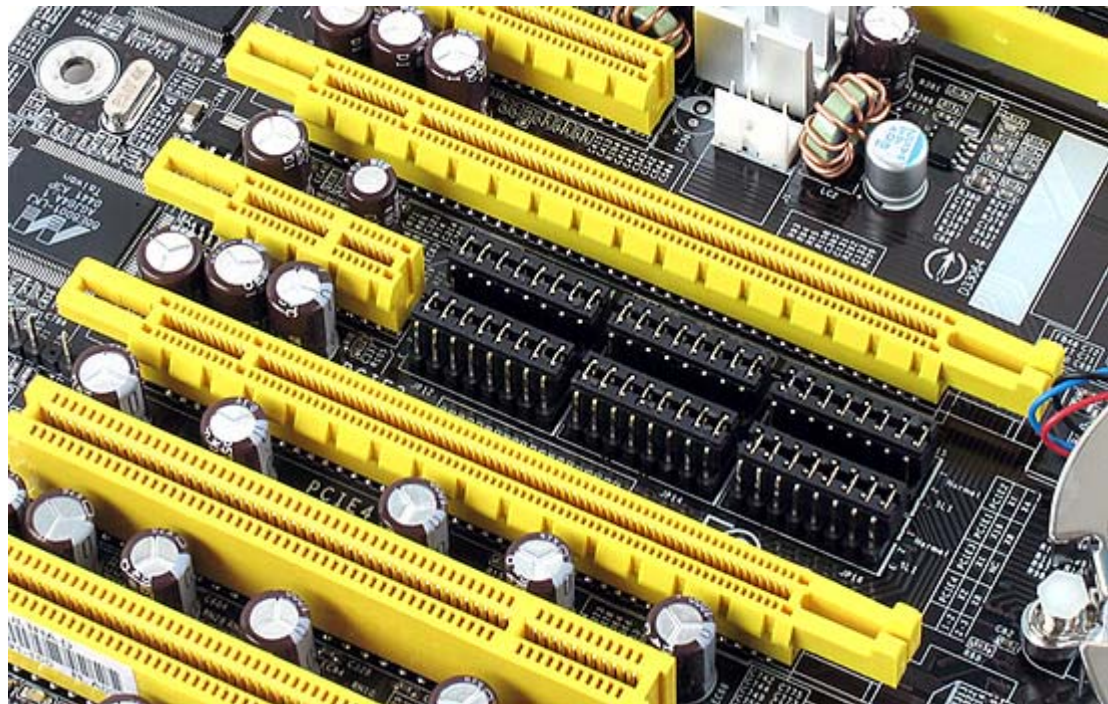
The LANPARTY nF4 is built to perfection using a 6-layer PCB and high-quality components. UV sensitive (glow in the dark under dark light) slots and a magnetic-levitation fan on the chipset heatsink make this mobo quite the looker at LAN parties as well.

DFI applies a unique board layout by locating CPU socket between expansion slots and DIMM slots. This design works very well to keep the air flowing and component temperatures down.



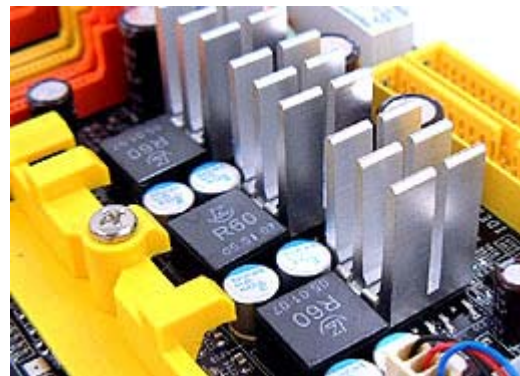
#### **NVIDIA SLI Multi-GPU support**

*NVIDIA nForce4 SLI offer blistering graphics performance with the ability to bridge two NVIDIA SLI-ready PCI Express™ graphics cards! The SLI design takes advantage of the increased bandwidth of the PCI Express™ bus architecture, features hardware and software innovations within NVIDIA GPU (graphics processing unit) and the NVIDIA nForce4 chipset. Together, the NVIDIA SLI technologies work seamlessly to allow two graphics cards to operate in parallel and share the work and deliver heart-pounding PC performance. NVIDIA SLI is the best solution for driving Multi GPU system performance to experience earth-shattering game play.*



### 100% Japanese Sourced Capacitors/ 3-Phase PWM

A 3-phase PWM design provides the system extra stability and reliability under heavy-loading and overclocking conditions. The heatsinks attached to the MOSFETs ensure the temperatures stay in the safe zone when the processor runs under full loads. All capacitors on this motherboard are 100% Japanese-sourced for unquestionable levels of quality.

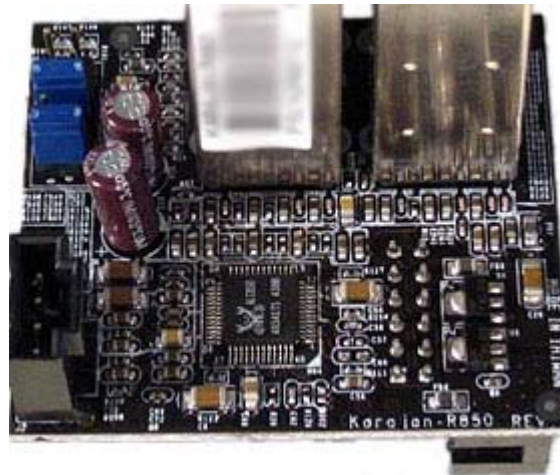


### Rear IO Ports



- 1 PS/2 mouse port
- 1 PS/2 keyboard port
- 2 S/PDIF RCA jacks (S/PDIF-in and S/PDIF-out)
- Karajan audio module (6 audio jacks, see below)
- 1 IEEE 1394a port
- 2 RJ45 Gigabyte LAN ports
- 6 USB 2.0/1.1 ports

## Karajan Audio Module



Karajan audio module: the Azalia High Definition audio Codec that is isolated on the module for improved signal-to-noise performance

Realtek ALC850 8-channel High Definition Audio CODEC provides:

- 6 audio jacks
- 1 CD-in connector
- 1 front audio connector
- True stereo line level outputs
- S/PDIF-in/out interface



## FrontX Panel (LANPARTY nF4 SLI-DR only)



FrontX I/O drive bay is a 5.25" bay which moves most commonly used ports to the front of the computer for easier access and usage. The unit that shipped with this motherboard included a four LED system diagnostic tool (helpful for figuring out what may be causing the PC to not boot), an IEEE 1394 Firewire port etc.

## BIOS

Major options and adjustable range for overclocking:

Options	Values
CPU FSB Frequency	200 to 456MHz in 1MHz increments
PCIe Frequency	100 to 145MHz in 1MHz increments

Chipset Voltage	1.5V/1.6V/1.7V/1.8V
LDT Voltage Control	1.2V/1.3V/1.4V/1.5V
DRAM Voltage	2.5V to 3.2V in 0.1V increments (3V jumper) 2.5V to 4.0V in 0.1V increments (5V jumper) increments
CPU Multiplier	Depending on CPU, 0.5x increments
CPU Voltage	0.8V to 1.55V in 0.025V increments PLUS 4%~36.0% in 2.4% increments (Maximum vCore 2.108V)

The DFI LanParty nForce4 series boards are famous for offering the enthusiast almost every BIOS option imaginable, to provide memory voltage adjustability of up to 4.0V and CPU voltage as high as 2.108V.

DFI has also provided a whole host of detailed options on memory parameter tuning for this motherboard. That's really good news for enthusiasts and experienced users as they have the potential to achieve higher performance levels through the tuning of these parameters to better fit their own systems.