



Feature-Rich Agility with Rock Solid Stability.

Escaping the limitations of traditional mainboards, the Sapphire PURE CrossFire line has long been declared the frame-rate leader for gaming platforms, as well as the clear choice for overclocking enthusiasts, and the Sapphire PURE CrossFireX 790FX tightens the families grip on the reputation as the industries innovative answer to the performance vs. stability debate. Built upon AMD's eagerly anticipated RD790FX chipset, the Sapphire PURE CrossFire cuts to the chase and opens up the system BIOS to mad tweaking for the hardcore overclocker, via real-time control, when using the AMD OverDrive utility. Indulge the enthusiast inside you with advanced system monitoring capabilities and limitless performance possibilities taking the LANPARTY concept to a new level of performance!

Designed for PC Enthusiasts, Hard Core Gamers and Professional Overclockers.

AMD RD790FX Chipset
Extreme overclocking to give you the performance edge! Personalize your experience with state-of-the-art overclocking capabilities, along with advanced system monitoring and amazing control options. The AMD OverDrive utility includes settings for novice to enthusiast users- Tune your system in real-time and push the performance envelope further than it has ever gone before.

DDR2 1066 memory support.
* Supports DDR2 1066 MHz Memory

AMD 65nm Process CPU ready
* Supports AMD Socket940 AM2/AM2+ processors: Phenom, Athlon 64/FX/X2
* Ready to Support AMD Phenom FX true quad-core processor
* Supports HyperTransport 3.0 for next generation processors

CrossFireX + 1 Physics rendering solution
* Supports ATI CrossFireX multi-rendering solution
* Additional hardware support for a GPU Physics rendering solution (PCIe x2)

Brand new Bernstein 8CH High Definition Audio
The second generation "Bernstein" 8 CH Audio Technology is based on Azalia's 24-bit 192KHz High Definition Audio specification providing dynamic audio for both Gaming and Video playback.

Dual Gigabit LAN with teaming function
* Teaming allows dual LAN to work together to provide up to twice the Ethernet bandwidth for transferring large amounts of data from home file servers to other PCs.

RAID function support
* RAID supports additional SATAII ports with RAID 5 to provide multiple HDD RAID function for enthusiastic users.



PURE *CrossFireX 790FX*

Processor - AMD® Athlon64/FX®/X2/Phenom (Socket 940)

Chip Set - AMD® RD790FX

BIOS - Phoenix (Award) PnP Flash ROM BIOS with AMD Hybrid code

Memory - Support 4 DIMM up to DDRII 1066MHz max 16GB

Expansion Slot - 3 PCI-E X16, 1 PCI-E X1, 3 PCI slots

Graphic Interface - 1 X16 + 2 X8 for multi CrossFire

- 2 X16 for Dual CrossFire

- 2 CrossFire X16 + 1 Physics

- 1 X16 Graphic + 1 Physics

Audio - 8CH HD Audio Technology in Bernstein card

VoIP card - Telephone to PC communication (optional)

Lan - 10/100/1Gb/ Dual Gigabit LAN

USB 2.0 - Integrated in chipset, USB2.0 x 10

IEEE 1394 - Two IEEE 1394 Firewire Ports (One Via Cable Adapter)

Storage & IO Connector - 1 Channel Parallel ATA133

Connector

- Six Serial ATA Ports

- One FDD Port (Support 1.44/2.88 MB FDD)

- One PS/2 Mouse Port

- One PS/2 Keyboard Port

- One Serial Port (Via Cable Adapter)

- Six USB Ports on Back Panel, 4 USB on Header with Optional

Cable

- Two RJ45 Port

Onboard connectors - 2 USB header

- 1 2X5-pin IEEE 1394 header

- 1 COM header

- 1 5X1-pin IrDA header

- 4-pin FAN connector for CPU, 3-pin FAN connectors: 3 for Chipset, and 2 for Chassis

- 24-pin ATX & 8-pin ATX Power connectors

- Standby LED, S3 LED

- EZ-On and EZ-Touch switches

- 10X2-pin Front Panel header

- Software Debug LED

- 2 small 4-pin 5V & 12V Power connector for OverClock or

PCI-E card use

HW Monitoring - CPU & System Overheat Protection

Board Size - 305mm x 244mm, ATX Form Factor