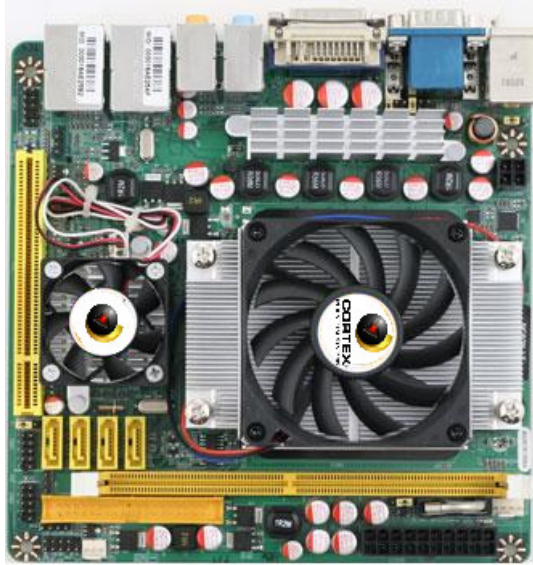




XEB-NC62K

Mini-ITX AMD Socket AM2/AM2+, with DVI/HDMI

Technical Information



FEATURES

- NVIDIA GF8200(MCP78S) Chipset
- Support Socket AM2+ Quad core Opteron™ & Phenom™
- Integrated Geforce 8200 GFX Core processor
- Advanced 3-Phase PWM Design
- Solid Polymer, long life capacitors
- Support 4 Serial ATA2 Devices with RAID 0, 1, 0+1,5,JBOD
- Support 1080i and 1080p and HDCP
- Support Dual Display and rotate Display
- Support Microsoft DirectX 10
- Support h.264, VC1 and Mpeg2 video decode
- Support Blu-ray DVD playback
- Support DVI/HDMI 1.3 Output
- Supports 2 X Gigabit LAN
- Remide customer CPU power consumption <=65W
- Integrated ALC883 HD Audio CODEC with 8.0 CH
- ITX Form Factor(17cm x 17cm)

SPECIFICATONS

• CPU	<ul style="list-style-type: none"> • Socket AM2 HTT 3000 MHz AMD® Opteron™ With Hyper Transport Technology • Compatible with 64-bit Dual Core AMD® Athlon™64 X2 Processors • Suggest CPU power consumption <= 65W
• Chipset	• NVIDIA GF-8200 (MCP78S) single chipset
• Memory	• 1*240-pin DIMM Sockets for un-buffered Single Channel DDR2 1066/800 SDRAM up to 2 GB
• Expansion Slots	• 1 * 32-bit PCI slots
• Storage	Embedded MCP78S Chipset <ul style="list-style-type: none"> • 4 * Serial ATA2 3Gb/s connectors • Supports HDDs with RAID 0, 1, 0+1, 5, JBOD functions • 1 * Ultra DMA 133 / 100 / 66 IDE connector
• Audio	• Realtek ALC883 8-Channel HD Audio CODEC w SPIF in and out
• Ethernet LAN	<ul style="list-style-type: none"> • Realtek RTL8211B PHY Gigabit Ethernet LAN • Realtek RTL8111C PCI-E Gigabit Ethernet LAN
• USB	• Embedded 10 * USB 2.0/1.1



Special Features

- The first Mini-ITX to support AMD AM2+ CPU
- The first Mini-ITX to fully support Blu-Ray DVD and HD-DVD.
- The First Mini-ITX to support 1066Mhz DDR-II memory
- The best Mini-ITX 3D mark performance.
- Paired with an AMD CPU, all the key features needed for the next generation
- HyperTransport 3.0 ×16 to the AMD Socket AM2/AM2+ processor
- Support for RAID 0, RAID 1, RAID 0+1, RAID 5, and JBOD

DirectX 10 Shader Model 4.0 Graphics Processing Unit

- NVIDIA CineFX® 4.0 Shading Architecture
- Supports Microsoft DirectX 10 Vertex Shader 4.0
- Up to 16 textures per rendering pass

Programmable PureVideo HD Video Processor

- Full HD-DVD and Blu-Ray hardware decoding to minimize

CPU utilization

- Full bitrate h.264, VC1, and MPEG2 video decode
- Inverse telecine (2:2 and 3:2 pull-down correction)
- Microsoft® Video Mixing Renderer (VMR) support

Dual Head Display Controller

- Full NVIDIA® nView® multi-display technology capability, with two independent display controllers for the CRT, HDMI/DVI interfaces
- Each controller can drive same or different display contents to different resolutions and refresh rates
- Video mirroring support
- DisplayCache support

Integrated HDMI Interface

- Up to UXGA resolution support (1600x1200)
- Secure digital audio merged from integrated HDA codec for HDMI
- HDCP key storage in SBIOS, eliminating the need for an external HDCP ROM
- Supports HDMI 1.3 and video resolution up to 1920 × 1200
- Supports CEC (Consumer Electronic Control)
- Supports HD resolutions of 720p and 1080p

Integrated Serial ATA Interface

- AHCI-compliant controller with integrated PHYs (supports six drives in master mode)
- Legacy IDE operation is only supported on drives 1-4
- Compliant with ATA/ATAPI-7 Volume 3 Serial ATA standards
- Supports Native Command Queuing (NCQ)
- Supports Tagged Command Queuing (TCQ)
- High-speed, low-voltage, low-pin count
- Compliant with the Serial ATA II specification 3 Gbps per direction per channel
- Supports Serial ATA ATAPI devices
- Hot plug support
- SATA slumber mode support

High Definition Audio Interface

- High Definition Audio Specification 1.0 compliant
- Supports both 44.1 kHz and 48 kHz sample formats
- Supports streams with sample rates up to 192 kHz
- Supports streams with sample widths up to 32 bits
- Compliant with Microsoft's Universal Audio Architecture (UAA) initiative
- Standard interface supported by Microsoft in-the-box audio drivers

• Special Features	• Advanced Power Design that supports the latest Socket-AM2+ CPU • "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System
• Rear Panel I / O	• 6 * USB 2.0/1.1 ports • 1 * PS/2 Mouse & Keyboard Combined connector • 2 * RJ-45 ports • 2 * Audio I / O ports • 1 * VGA port • 1 * DVI port • 2 * DB-9 RS232 ports
• Internal I / O	• 2 * USB 2.0/1.1 headers for 4 USB 2.0 ports • CPU / Chassis Fan connectors; • 1 * 4-pin ATX 12V Power connector and 1 * 20-pin ATX Power connector • CD / AUX Audio in&1 * Serial Port header
• BIOS	• Award 8MB SPI Flash ROM
• Form Factor	• Mini ITX Form Factor(17cmx17cm)

