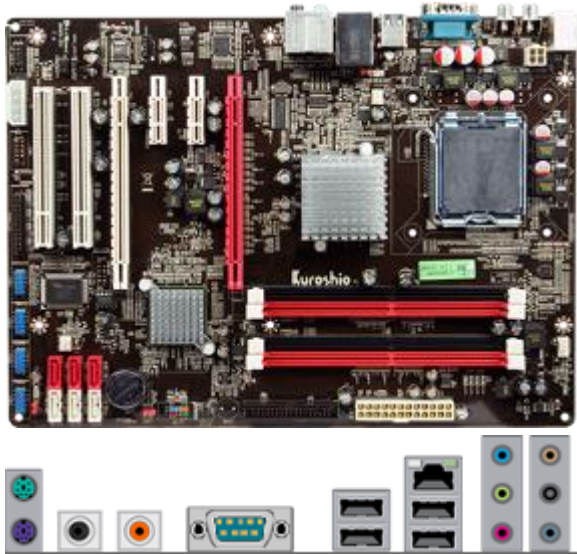


Mainboard Diagram



BI-500

1. Intel®P45 Express Chipset +ICH10 Chipset
2. Intel®LGA775 Core2 Processors
3. Supports FSB 1600/1333MHz
4. Supports PCI-Express 2.0
5. Supports Dual Channel DDR2 800
6. Integrated Gigabit LAN
7. Support G.P.I Technology
8. Integrated 6 * SATA2 3Gb/s
9. Integrated ALC883 HD Audio CODEC with 8.0 CH
10. Support CPU Vcore X-SHIFT
11. Make over-clocking more stable
12. Ready for Windows® Vista™
13. ATX Form Factor



Features and Benefits

LGA775 Intel Core Processor Family Supported

The Intel® Core™ processor family delivers unrivaled performance and breakthrough energy efficiency. For your extreme computing, the Intel core processor family delivers unrivaled performance and breakthrough energy efficiency, to let you enjoy revolutionary performance with vivid, high-definition experiences and multi-tasking responsiveness by state-of-the-art Intel dual-core and quad-core technologies (Core 2 Extreme, Core 2 Quad and Core 2 Duo Processors).

INTEL P45 Express Chipset and ICH10 Chipset

The Intel P45 Express Chipset supports new technologies such as 1333 MHz System Bus speed, next-generation 45nm dual- and quad-core processors, and DDR3 memory to deliver increased system bandwidth and improved performance. With built-in design headroom, Intel® Fast Memory Access (Intel® FMA) and Intel® Turbo Memory, platforms based on the Intel P45 Express Chipset enable best-of-class performance and offer the best value for performance desktop computing. Desktop PC platforms based on the Intel P45 Express Chipset, combined with either the Intel® Core™2 Duo or Intel® Core™2 Quad processor, deliver new technologies and innovative capabilities for enthusiasts and digital home consumers

Jetway G.P.I Technology

G.P.I is the acronym for the "Green Power Indicator" technology. Jetway's motherboard series with G.P.I technology have a specially designed chip for real-time detecting CPU workload. The green power indicator will automatically turn off when CPU workload is heavy and turn on when CPU workload is light to indicate power saving mode being activated.

PCI Express 2.0 Buses

The PCI Express 2.0 x16 graphics delivers up to 8 GB/s per direction, 2 times more bandwidth than PCI Express x16 and up to 16 GB/s concurrent bandwidth. PCI Express x1 I/O offers 1GB/s concurrently, over 7 times more bandwidth than AGP8X, tackling the most demanding multimedia tasks nowadays

Serial ATA2 3Gb/s

This platform supports reliable storage solution for enhanced data protection and data accessing performance. Serial ATA 3Gb/s is firstly introduced in this platform to provide blazingly 3Gb/s bus bandwidth thus higher disk performance.

CPU Vcore X-Shift / Shift to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded in 64 stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Mainboard Specifications

| | |
|---------------------------|--|
| ■ CPU | <ul style="list-style-type: none"> Supports Intel® Core2 Processors (Core2 Extreme, Core2 Quad, Core2 Duo Processors) |
| ■ Chipset | <ul style="list-style-type: none"> Intel® P45 Express Chipset + ICH10 Chipset |
| ■ FSB | <ul style="list-style-type: none"> 1600/1333MHz |
| ■ Memory | <ul style="list-style-type: none"> Dual Channel DDR2 memory technology 4 * 240-pin DDR2 DIMM slots Supports DDR2 800 non-ECC ,un-buffered memory Max.16GB |
| ■ Expansion Slots | <ul style="list-style-type: none"> 2 * 32-bit PCI Slots 1 * PCI-Express x16 slot by 16-lane 1 * PCI-Express x16 slot by 4-lane 2 * PCI Express x1 slots |
| ■ Storage | <p>Embedded INTEL ICH10 Chipset:</p> <ul style="list-style-type: none"> 6 * Serial ATA2 3Gb/s connectors |
| ■ Audio | <ul style="list-style-type: none"> Realtek ALC883 HD Audio CODEC with 8-Channel |
| ■ Ethernet LAN | <ul style="list-style-type: none"> Realtek RT8111C PCI-E Gigabit LAN |
| ■ USB | <ul style="list-style-type: none"> Embedded 12 * USB 2.0/1.1 |
| ■ Special Features | <ul style="list-style-type: none"> Advanced Power Design that supports the latest LGA 775 Core Processor "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System |
| ■ Rear Panel I / O | <ul style="list-style-type: none"> 4 * USB 2.0/1.1 ports 1 * PS/2 mouse port 1 * PS/2 keyboard port 1 * SPDIF_In/Out port 1 * RJ-45 port 1 * Audio I/O port |
| ■ Internal I / O | <ul style="list-style-type: none"> 4 * USB 2.0/1.1 headers for 8 USB 2.0/1.1 ports CPU / Chassis Fan connectors 1 * 8-pin ATX 12V Power connector 1 * 24-pin ATX Power connector 1 * Parallel header CD / AUX Audio in 1 * Floppy connector Front panel audio connector 1 * HDMI_SPDIF header |
| ■ BIOS | <ul style="list-style-type: none"> Award 8MB SPI Flash ROM |
| ■ Form Factor | <ul style="list-style-type: none"> ATX Form Factor |

