

Mainboard Diagram



E-IDE Devices	●●●●●
S-ATA2 Devices	●●●●
PCI EXPRESS x16 Slots	●●●
Gigabit LAN Ports	●●
DDR2 Memory DIMMs	●●●●●
32-bit PCI Slots	●●●●●
PCI EXPRESS x1 Slots	●●●●
10/100 LAN Ports	●●
Serial Ports	●●●
Parallel Ports	●●
PS / 2 Connectors	●●
IEEE1394 Connector	●●
PCI EXPRESS x1 Slots	●●
AC 97' Multi-Ch Audio	●●●●●●●●
USB 2.0 Connectors	●●●●●●●●

Feature and Benefits



Solid Electrolysis
OC-CON Capacitor
High Polymer

LGA775 P4
-Dual Core-
Supported

Hyper-Threading
Technology
Supported

Intuitional
PCI Express SLI
Design

1066MHz
Front Side Bus

nForce4
SLI
SPP Chipset

nForce4
SLI
MCP Chipset

Dual DDR2
667 / 533MHz
Up to 4 GB RAM

Serial ATA2
-Peer to Peer @ 300 MB / s-
Supported

AC 97'
8-Channel
Audio CODEC

High Speed
USB 2.0
480 Mbit / s

ATX
Form Factor

LGA775 Pentium® 4 3.6GHz Processor with HT Technology Supported

Innovative design which meets the world's most advanced 90 nanometer Chip-Making Process technology based Intel® Pentium® 4 520, 530, 540, 550, 560 and beyond Processors with Hyper Threading Technology and embedded 1MB L2 Cache for demanding usage of Home Networking and Game Enthusiasts.

NVIDIA nForce™4 SLI SPP and nForce™4 SLI MCP

NVIDIA® nForce™4 SLI MCPs (media and communications processors) offer blistering graphics performance and overall PC performance for both AMD and Intel platforms. With the power of SLI™ technology you get the ability to connect two NVIDIA SLI-Ready PCI Express™ graphics cards for mind-blowing gameplay with brilliant and intensive 3D graphics. The unique low-latency architecture of the NVIDIA nForce4 SLI MCPs offers one of the industry's best core-logic solution with outstanding performance and the latest technologies—SLI, PCI Express, secure high-speed networking, and high-performance storage—and ensures that your PC stays ready for the newest games, future applications, and next-generation PC specifications.

CPU Thermal Throttling / The Anti-superheated CPU protection Technology

To prevent the increasing heat from damaging of CPU while the activation of the Bi-turbo technology, the CPU Thermal Throttling Technology will make CPU be idling from 87.5% to 12.5% by manually preset CPU operating temperature from 40°C to 90°C. When the system senses the climbing operating temperature of CPU over the value preset, CPU Thermal Throttling Technology will narrow the operating bandwidth of CPU actively to low down the temperature to the value preset as the perfect protection system of hardware dynamic over-clocking technology.

Debug Port / the Professional Hardware System Monitoring System

Being bugged of abnormal system failure through the tossed and turned nights no more, the embedded Hardware Debug Port offers you the real-time visual system healthy for the demanding usage of computing. No more bugging by unknown system failure and no more time wasted in the first moment of 24-hour nonstop ping business computing, the embedded Debug Port will turn you into a well training hardware professional with the seeing system situation.

CPU Smart Fan / The Noise Restrained System

It's never been a good idea to sacrifice the sound effects for gaining the performance you need. CPU Smart Fan Noise Restrained System is the answer to all the noise restrained needed high performance computing system, the system will automatically increase the fan speed when CPU operating loading is high, after the CPU is in normal operating condition, the system will low down the fan speed for the silent operating environment. The system can provide the much longer life cycle for both CPU and the system fans for game use and business requirements.

OC-CON high-polymer solid electrolysis aluminum capacitors embedded

The working temperature is from 55 degrees Centigrade below zero to 125 degrees Centigrade, OC_CON capacitors possess superior physical characteristics that can be while reducing the working temperature between 20 degrees Centigrade each time, intact extension 10 times of effective product operation lives, at not rising degrees Centigrade of working temperatures each time a relative one, life of product decline 10% only too.

CPU Vcore Shift / Shift_to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded over 13 stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Target Market

Suggested Sales Channel

DIY SI Tender

End User Application

Home Business Power User

Market Directive

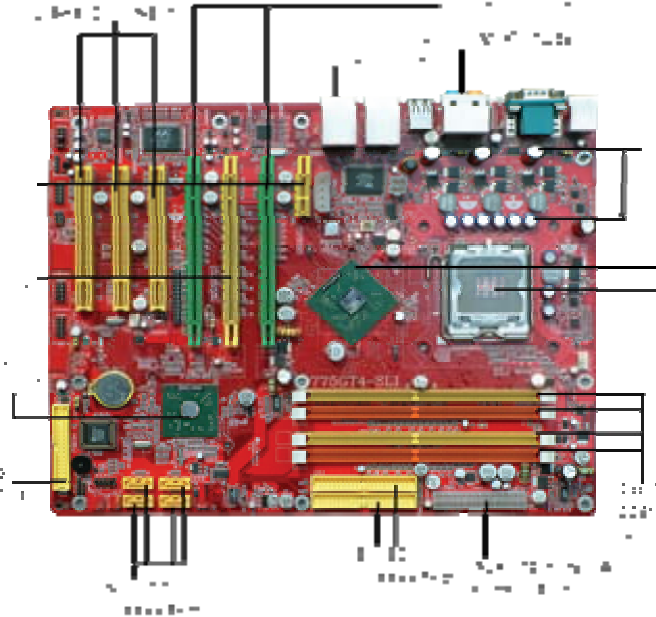
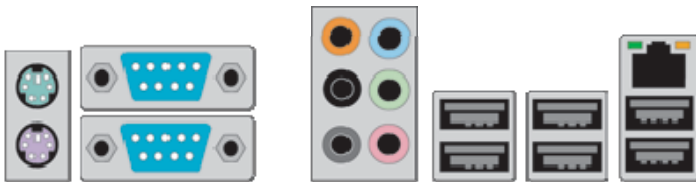
New Generation Replace _____

Availability

Sample: Ready

Mass Production: Ready

Rear I / O



Mainboard Specifications

CPU	<ul style="list-style-type: none"> LGA 775 Socket for FSB 1066 / 800 / 533 MHz Intel® Pentium 4 With Hyper Threading Technology
Chipset	<ul style="list-style-type: none"> nForce™4 SLI SPP + nForce™4 SLI MCP Chipset
Memory	<ul style="list-style-type: none"> 4 * 240-pin DIMM Sockets for unbuffered Dual DDR2 667 / 533 / 400 SDRAM up to 4 GB
Expansion Slots	<ul style="list-style-type: none"> 3 * 32-bit PCI Slots / 1 * PCI EXPRESS x1 / 3 * PCI EXPRESS x16
Storage	<ul style="list-style-type: none"> 4 * Ultra DMA 133 / 100 / 66 / 33 Embedded nForce4 SLI MCP Chipset Supports 4 Serial ATA2 HDDs with RAID Functions.
Audio	<ul style="list-style-type: none"> Realtek ALC 8-Channel AC 97' Audio CODEC
Ethernet LAN	<ul style="list-style-type: none"> Marvel 88E1111 10 / 100 / 1000 LAN
USB	<ul style="list-style-type: none"> Embedded 10 * High Speed USB @ 480 Mbit / s
Special Features	<ul style="list-style-type: none"> Advanced Power Design that supports the latest LGA 775 P4 CPU Embedded OC-CON high-polymer solid electrolysis aluminum capacitors "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System
Rear Panel I / O	<ul style="list-style-type: none"> 6 * High Speed USB Connectors @ 480 Mbit / s 2 * Serial Port 1 * PS / 2 Mouse & 1 * PS/2 Keyboard 1 * RJ45 Connector 1 * Audio I / O
Internal I / O	<ul style="list-style-type: none"> 2 * High Speed USB Connectors @ 480 Mbit / s for 4 USB 2.0 Ports CPU / Chassis Fan Connectors; 25-pin Parallel connector 1 * 12V 4-pin ATX Power Connector and 1 * 24-pin ATX Power Connector CD / AUX Audio in
BIOS	<ul style="list-style-type: none"> Award 4 MB Flash ROM
Form Factor	<ul style="list-style-type: none"> ATX Form Factor