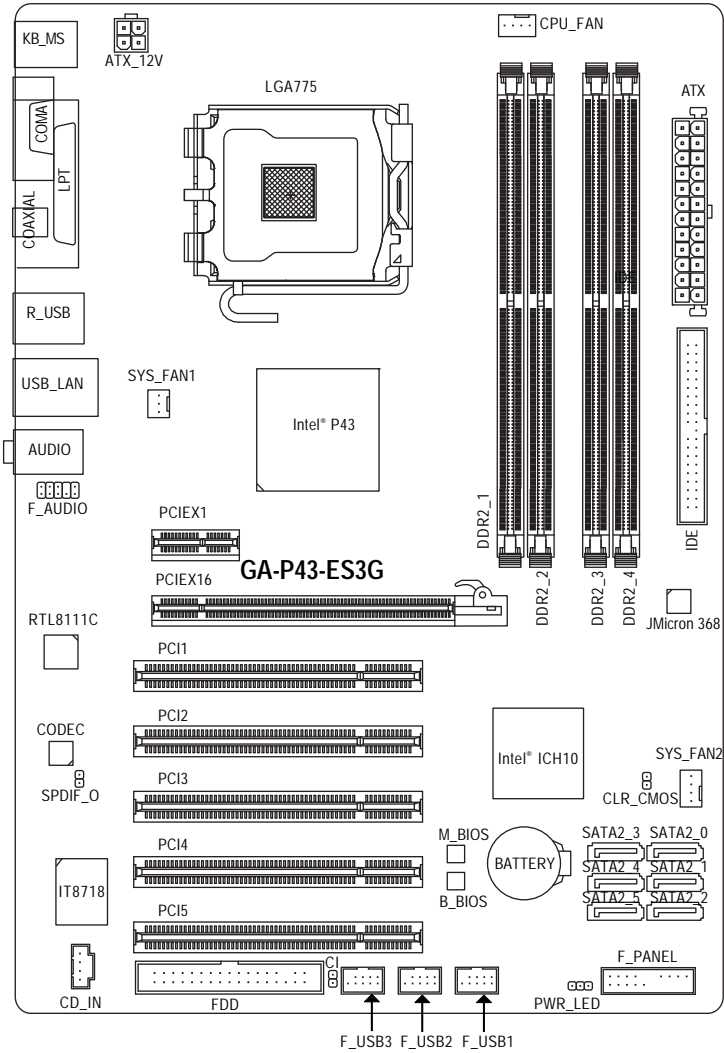


GA-P43-ES3G Motherboard Layout



1-2 Product Specifications

CPU	<ul style="list-style-type: none">◆ Support for an Intel® Core™ 2 Extreme processor/ Intel® Core™ 2 Quad processor/Intel® Core™ 2 Duo processor/ Intel® Pentium® processor Extreme Edition/Intel® Pentium® D processor/ Intel® Pentium® 4 processor Extreme Edition/Intel® Pentium® 4 processor/ Intel® Celeron® processor in the LGA 775 package (Go to GIGABYTE's website for the latest CPU support list.)◆ L2 cache varies with CPU
Front Side Bus	<ul style="list-style-type: none">◆ 1600(O.C.)/1333/1066/800 MHz FSB
Chipset	<ul style="list-style-type: none">◆ North Bridge: Intel® P43 Express Chipset◆ South Bridge: Intel® ICH10
Memory	<ul style="list-style-type: none">◆ 4 x 1.8V DDR2 DIMM sockets supporting up to 16 GB of system memory ^(Note 1)◆ Dual channel memory architecture◆ Support for DDR2 1200/1066/800/667 MHz memory modules (Go to GIGABYTE's website for the latest memory support list.)
Audio	<ul style="list-style-type: none">◆ Realtek ALC888 codec◆ High Definition Audio◆ 2/4/5.1/7.1-channel ^(Note 2)◆ Support for S/PDIF Out◆ Support for CD In
LAN	<ul style="list-style-type: none">◆ Realtek 8111C chip (10/100/1000 Mbit)
Expansion Slots	<ul style="list-style-type: none">◆ 1 x PCI Express x16 slot◆ 1 x PCI Express x1 slot◆ 5 x PCI slots
Storage Interface	<ul style="list-style-type: none">◆ South Bridge:<ul style="list-style-type: none">- 6 x SATA 3Gb/s connectors supporting up to 6 SA TA 3Gb/s devices◆ JMicron 368 chip:<ul style="list-style-type: none">- 1 x IDE connector supporting ATA-133/100/66/33 and up to 2 IDE devices◆ iTE IT8718 chip:<ul style="list-style-type: none">- 1 x floppy disk drive connector supporting up to 1 floppy disk drive
USB	<ul style="list-style-type: none">◆ Integrated in the South Bridge◆ Up to 12 USB 2.0/1.1 ports (6 on the back panel, 6 via the USB brackets connected to the internal USB headers)

Internal Connectors	<ul style="list-style-type: none"> ◆ 1 x 24-pin ATX main power connector ◆ 1 x 4-pin ATX 12V power connector ◆ 1 x floppy disk drive connector ◆ 1 x IDE connector ◆ 6 x SATA 3Gb/s connectors ◆ 1 x CPU fan header ◆ 2 x system fan headers ◆ 1 x front panel header ◆ 1 x front panel audio header ◆ 1 x CD In connector ◆ 1 x S/PDIF Out header ◆ 3 x USB 2.0/1.1 headers ◆ 1 x power LED header ◆ 1 x chassis intrusion header
Back Panel Connectors	<ul style="list-style-type: none"> ◆ 1 x PS/2 keyboard port ◆ 1 x PS/2 mouse port ◆ 1 x parallel port ◆ 1 x serial port ◆ 1 x coaxial S/PDIF Out connector ◆ 6 x USB 2.0/1.1 ports ◆ 1 x RJ-45 ports ◆ 3 x audio jacks (Line In/Line Out/Microphone)
I/O Controller	<ul style="list-style-type: none"> ◆ iTE IT8718 chip
Hardware Monitor	<ul style="list-style-type: none"> ◆ System voltage detection ◆ CPU/System temperature detection ◆ CPU/System fan speed detection ◆ CPU overheating warning ◆ CPU/System fan fail warning ◆ CPU/System smart fan control <small>(Note 3)</small>