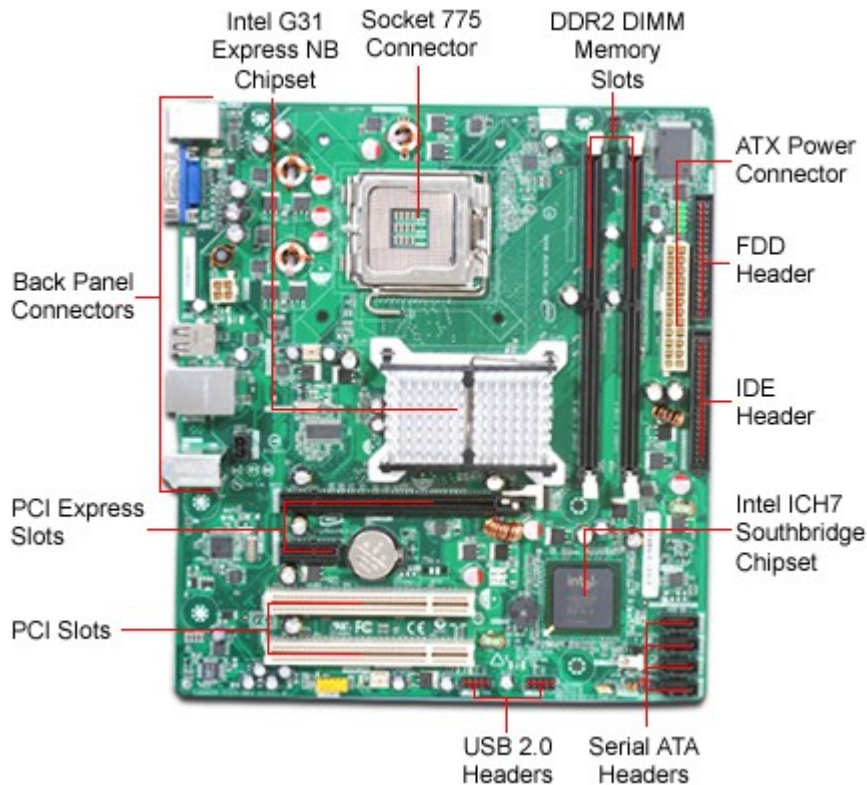
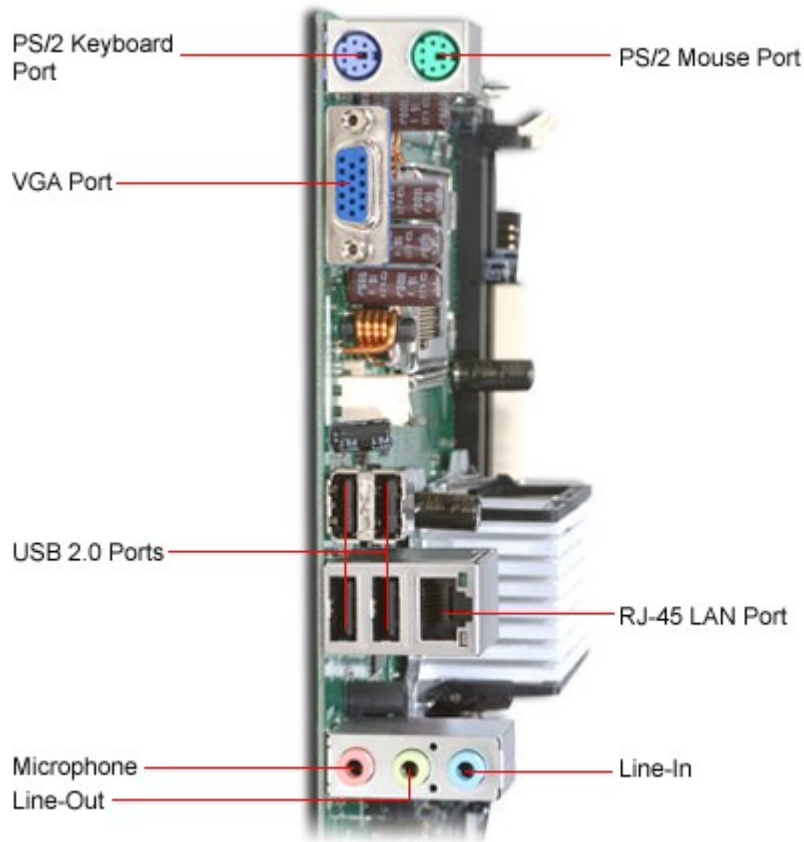


Intel DG31PR Motherboard

The Intel® Desktop Board DG31PR Classic Series has been optimized to deliver new levels of performance and reliability for home and business users. The Intel Desktop Board DG31PR is built to support a range of processors including the Intel® Core™2 Quad processor (95W TDP) and the Intel® Core™2 Duo processor. This board can support up to 4GB of dual channel DDR2 800/667 MHz SDRAM. It also offers Intel® High Definition Audio with support for 5.1 surround sound, integrated 10/100/1000 Network connection and ample USB connectors for all your computer paraphernalia.





Specifications

• Form Factor:	MicroATX
• Processor Interface:	Socket 775
• Processors Supported:	Intel Core 2 Duo, Intel Core 2 Quad, Intel Celeron D 4XX, Intel Pentium Dual Core
• Front Side Bus:	800MHz 1066MHz 1333MHz
• Northbridge:	Intel G31 Express
• Southbridge:	Intel ICH7
• Number of Slots:	2
• Number of Pins:	240-Pin
• Maximum Memory Supported:	4GB - 32bit
• Memory Supported:	667MHz DDR2 800MHz DDR2
• Channels:	6 Channels
• Audio Chipset:	Realtek ALC888
• Video Chipset:	Intel GMA3100

• Supported Devices:	2
• Hard Drive Types:	ATA/100 ATA/133 ATA/66 UDMA/33
• USB Version:	2
• USB Data Transfer Rates:	480Mbps
• LAN Type:	10/100/1000Mbps Gigabit
• Port Type:	RJ-45
• PCI Slots:	2
• PCI Express X1 Slots:	1
• PCI Express X16 Slots:	1
• PS/2 Keyboard Connectors:	1
• PS/2 Mouse Connectors:	1
• USB Ports:	8
• LAN Ports:	1
• Audio Out Jacks:	1
• Line In Jacks:	1
• Microphone Jacks:	1
• IDE Headers:	1
• FDD Headers:	1
• Serial ATA Headers:	4
• ATX Power Connectors:	1 24-Pin Connector
• PC Power Connectors:	1 - 4 Pin
• Fan Connectors:	1 x CPU 2 x Chassis
• VGA Ports:	1
• Length:	9.600 in. (24.5 cm)
• Width:	8.600 in. (21.9 cm)

Detailed Features

A Closer Look



Socket

This motherboard features a Socket 775 design.



Chipset

The DG31PR motherboard is based on the Intel G31 Express Northbridge chipset and the Intel ICH7 Southbridge chipset. It supports Intel Core 2 Quad (up to 1066MHz FSB), Core 2 Duo, Pentium Dual Core (up to 800MHz FSB), and Celeron D 4xx Processors, with Hyper-Threading Technology and 800/1066/1333MHz Front Side Bus support.



Memory Expansion

The DG31PR provides 2 DIMM sockets using 240-pin DDR2 with a total capacity of up to 4GB-32bit. You can install DDR2 667/800MHz Memory.



PCI Express Support

The DG31PR fully supports PCI Express, the latest I/O interconnect technology that speeds up the PCI bus. PCI Express features point-to-point serial interconnections between devices and allows higher clockspeeds by carrying data in packets. This high-speed interface is software compatible with existing PCI specifications.



IDE

The DG31PR includes built in IDE facilities that support Ultra DMA 33 and ATA 66/100/133.



Audio

The DG31PR comes with a Realtek ALC888 audio codec which supports high quality 6-channel audio.



Serial ATA Support

The DG31PR supports the Serial ATA II technology through the Serial ATA interfaces. Doubles bus bandwidth which provides blazingly high disk performance, up to 3.0Gb/s.