



Delivering Exceptional Value and Quality

Intel® Desktop Board D915GVWB



The Intel® Desktop Board D915GVWB based on the Intel® 915GV Express Chipset offers new and exciting features for your next value system.

The Intel Desktop Board D915GVWB supports the Intel® Pentium® 4 and Intel® Celeron® D processors in the LGA775 package and is designed to deliver a range of usage models in the consumer or corporate environment. This desktop board delivers both quality and value by offering integrated features such as 800-MHz system bus support, Intel® Graphics Media Accelerator 900, Intel® High Definition Audio, and Intel® PRO 10/100 LAN (optional).

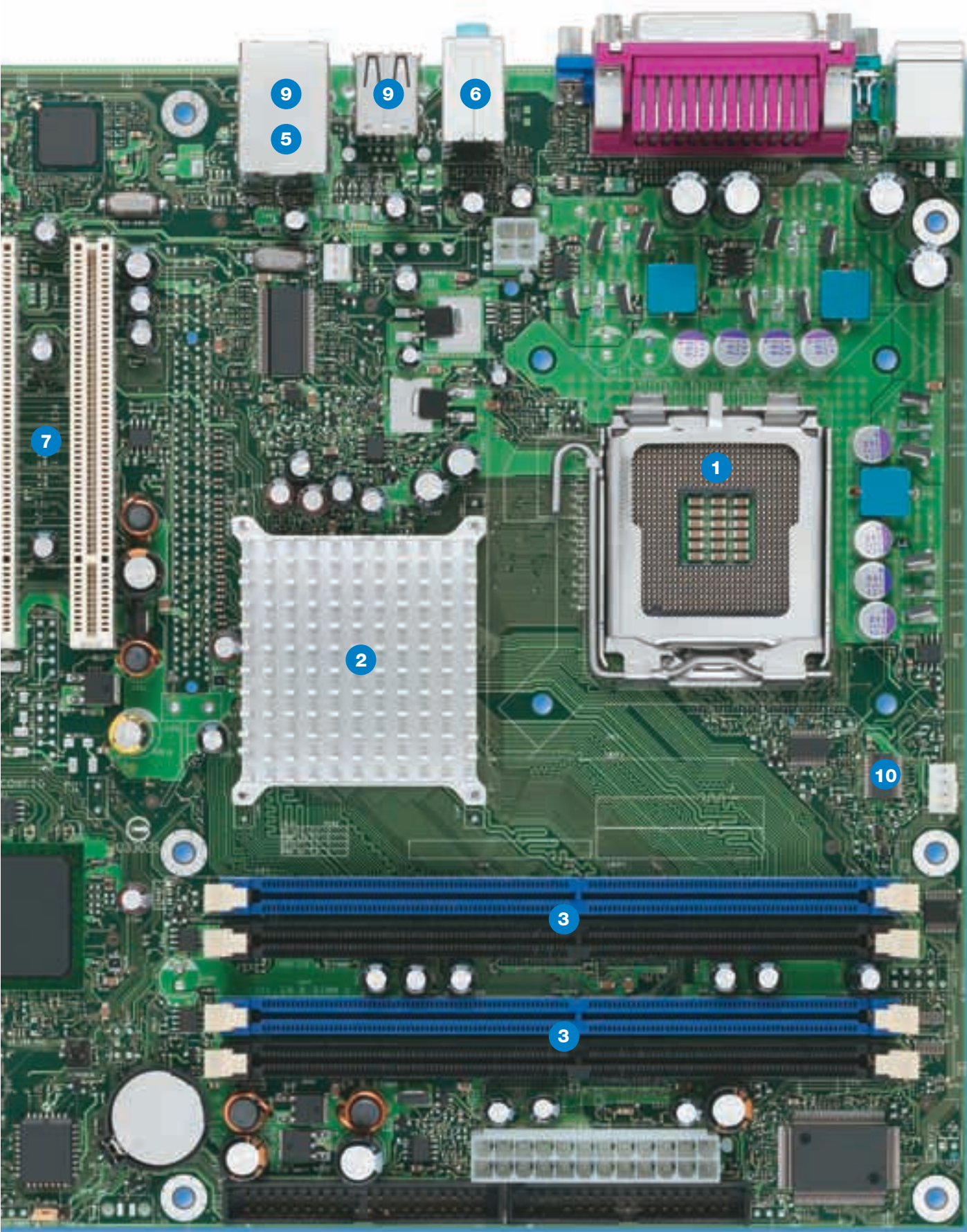
Boxed Intel® Desktop Board D915GVWB includes:

- Desktop Board D915GVWB
- ATX 2.01-compliant I/O shield
- Floppy, SATA and ATA 100/66 cables
- Board and back-panel I/O layout stickers
- Quick Reference Guide
- Desktop board three-year limited warranty
- Intel® Express Installer CD, including:
 - Intel® Desktop Utilities**
 - Norton Internet Security*
 - NTI CD-Maker*
 - Musicmatch* Jukebox
 - Sonic Focus*
 - InterVideo* Home Theater Silver
 - InterVideo* WinDVD Creator Silver
 - Farstone* RestoreIT! Lite
 - LANDesk* System Manager†
 - WebEx* Personal Edition†
 - Detto IntelliMover* offer
 - Software Drivers
 - Desktop Board Product Guide

Intel® Desktop Board D915GVWB

- 1** Support for the Intel® Pentium® 4 and Intel® Celeron® D processor: Supports Intel® processors featuring the 800- or 533-MHz system bus via the LGA775 socket. Supports boxed Intel processors with packaging designated by 04A or 04B Platform Compatibility Guide.
- 2** Intel® 915GV Express Chipset featuring Intel® Graphics Media Accelerator 900: Low-cost high-performance integrated graphics solution.
- 3** Dual-Channel DDR 400/333 SDRAM support: Four DIMM sockets designed to support up to 4 GB¹ of SDRAM memory.
- 4** Four Serial ATA150 ports: Facilitates high-speed storage transfers at up to 1.5 GB/s per port, allows easy hard drive upgrades and expansion for new SATA optical drives.
- 5** Integrated Intel® PRO 10/100 LAN (optional): Onboard 10/100-Mbps Ethernet LAN connectivity.
- 6** Intel® High Definition Audio: Flexible six-channel audio with jack sensing. This new standard in PC audio provides an outstanding user experience for movies, music, and games with higher bit rate processing (24-bit), flexible 5.1 audio capability, and improved jack sensing.
- 7** Two PCI connectors: Expansion slots for custom system configurations and future add-in card upgrades.
- 8** One PCI Express* x1 connector: With up to a 500 MB/s concurrent data transfer bandwidth, more than doubles the I/O bandwidth of traditional PCI architecture.
- 9** Eight Hi-Speed USB 2.0 ports: Four back-panel ports and an additional four front-panel USB ports via two internal headers.
- 10** Intel® Precision Cooling Technology: Advanced management ASIC supports temperature-based fan control. System fan noise may be reduced by controlled chassis and processor fans operating at the minimum necessary speeds.
- 11** Instantly-Available PC (suspend-to-RAM): Enables advanced power savings (not pictured).





9.6"

9.6"

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Processor

Processors Supported	<ul style="list-style-type: none"> Intel® Pentium® 4 processors with 800-MHz system bus in the LGA775 package Intel® Celeron® D processors with 533-MHz system bus in the LGA775 package Supports boxed Intel® processors with packaging designated by 04A or 04B Platform Compatibility Guide
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Intel® 915GV Express Chipset	<ul style="list-style-type: none"> Intel® 82915GV Graphics Memory Controller Hub (GMCH) Intel® 82801DB I/O Controller Hub (Intel® ICH6) Firmware Hub (FWH)
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Graphics Memory Controller Hub (GMCH)	Designed to support up to 4 GB ¹ of system memory using DDR400/333 SDRAM memory
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Intel® ICH6 I/O Controller Hub	<ul style="list-style-type: none"> Four SATA (1.5 Gb/s) ports Up to two ATA 100/66 devices Intel® PRO 10/100 network connection (optional)
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I/O Features	<ul style="list-style-type: none"> Integrated super I/O LPC bus controller One PCI Express* x1 local bus slot Two PCI local bus slots
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USB 2.0	Integrated Intel® ICH6 controllers: <ul style="list-style-type: none"> Four back-panel ports (two dual stack) Four front-panel ports (via 2-headers requiring cabling to front panel)
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Firmware Hub

System BIOS	<ul style="list-style-type: none"> 4-Mb Flash EEPROM featuring the Intel® Platform Innovation Framework for EFI Plug and Play, IDE drive auto-configure Advanced configuration and power interface V1.0b, DMI 2.0, multilingual support
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Intel® Rapid BIOS Boot	<ul style="list-style-type: none"> Optimized POST for faster access to PC from power-on
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System Memory

Memory Capacity	<ul style="list-style-type: none"> Four 184-pin DIMM connectors supporting up to two double-sided DIMMs
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Memory Types	<ul style="list-style-type: none"> DDR400/333 SDRAM Memory Support Non-ECC RAM (ECC memory will attempt to run in Non-ECC mode only)
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Memory Modes	<ul style="list-style-type: none"> Dual- and single-channel operation support
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Memory Voltage	<ul style="list-style-type: none"> 2.5V
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Hardware Management Features

- Processor fan speed control
- System chassis fan speed control
- Voltage and temperature sensing
- Fan sensor inputs used to monitor fan activity
- Power management support for ACPI 1.0b

Wake-Up From Network

- Wired for Management (WfM) 2.0-compatible
- Support for system wake-up using an add-in network interface card with remote wake-up capability or integrated LAN

Expansion Capabilities

- Two PCI bus add-in card connectors
- One PCI Express* x1 bus add-in card connector

Jumpers and Front-Panel Connectors

Jumpers	<ul style="list-style-type: none"> Single configuration jumper design Jumper access for BIOS configuration mode
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Front-Panel Connectors	<ul style="list-style-type: none"> Reset, HD LED, Power LEDs, power on/off Two front-panel Hi-Speed USB 2.0 headers Front-panel audio header
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Mechanical

Board Style	<ul style="list-style-type: none"> MicroATX 1.0-compliant
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Board Size	<ul style="list-style-type: none"> 9.6" x 9.6"
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Baseboard Power

Requirements	<ul style="list-style-type: none"> ATX 12V or SFX 12V
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Environment

Operating Temperature	<ul style="list-style-type: none"> 0° C to +55° C
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Storage Temperature	<ul style="list-style-type: none"> -40° C to +70° C
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Regulations

Safety Regulations

<i>U.S. and Canada</i>	UL 1950, Third edition—CAN/CSA C22.2 No. 950-95 with recognized U.S. and Canadian component marks
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<i>Europe</i>	Nemko* certified to EN 60950
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<i>International</i>	Nemko certified to IEC 60950 (CB report with CB certificate)
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EMC regulations (tested in representative chassis)

<i>U.S.</i>	FCC Part 15, Class B
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<i>U.S.</i>	FCC Part 15, Class B open-chassis (cover off) testing
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<i>Canada</i>	ICES-003, Class B
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<i>Europe</i>	EMC directive 89/336/EEC; EN 55022:1998 Class B; EN 55024:1998
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<i>Australia/New Zealand</i>	AS/NZS 3548, Class B
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<i>Taiwan</i>	CNS 13438, Class B
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<i>International</i>	CISPR 22:1997, Class B
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Power requirements vary. Complies with US CRF via EN55022 +6 db in system configurations with an open chassis and EU Directive 89/336/EEC and use via EN55022 and EN55082-1 in a representative chassis.

Ordering Information

See Intel's Web site at www.intel.com
 For the most current product information available, visit Intel's Web site at:
developer.intel.com/design/motherbd/

¹ Intel® Desktop Board D915GVWB was designed to support up to 4-GB total system memory using DIMMs based on 512-Mbit or 1-Gbit technologies. 1-Gbit technology has not been validated on this Intel® desktop board. For more information about the latest list of tested memory, refer to the Intel World Wide Web site at: <http://support.intel.com/support/motherboards/desktop/>

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** Intel® Desktop Utilities includes: hardware monitoring, Diskeeper® Lite defragmentation, NTI Backup Now®, StressTest®, Symantec® Security Check

† Available by Internet download only. Third-party user registration required.

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