



| Segment                                   | Intel® Desktop Board D865GLC<br>Mainstream MicroATX  | Intel® Desktop Board D910GLDW<br>Value MicroATX   | Intel® Desktop Board D915GVWB<br>Value MicroATX  |
|---|--|---|--|
| <b>Product Code/UPC</b>                   | <b>BOXD865GLC / 00735858159845</b><br><b>BOXD865GLCL</b> (Intel® PRO 10/100) / 00735858159869<br><b>BOXD865GLCLK</b> (Intel® PRO 10/100/1000) / 00735858159883   | <b>BOXD910GLDW / 00735858170833</b><br><b>BOXD910GLDWL</b> (Intel® PRO 10/100) / 00735858170840   | <b>BOXD915GVWBL</b> (Intel® PRO 10/100) / 00735858171564<br><b>BOXD915GVWB / 00735858171571</b>  |
| <b>10-pack Product Code/UPC</b>           | BLKD865GLC / 00735858159852<br>KD865GLCPAK10<br>BLKD865GLCL (Intel PRO 10/100) / 00735858159876<br>KD865GLCLPAK10 (Intel PRO 10/100)<br>BLKD865GLCLK (Intel PRO 10/100/1000) / 00735858159890<br>KD865GLCLKPAK10 (Intel PRO 10/100/1000) | BLKD910GLDW (Intel PRO 10/100) / 00735858170857<br>KD910GLDWPAK10<br>BLKD910GLDWL (Intel PRO 10/100) / 00735858170864<br>KD910GLDWLPAK10 (Intel PRO 10/100)   | BLKD915GVWB / 00735858171601<br>KD915GVWBPAK10<br>BLKD915GVWBL (Intel PRO 10/100) / 00735858171595<br>KD915GVWBLPAK10 (Intel PRO 10/100)   |
| <b>Processor Support</b>                  | Intel® Pentium® 4 processors 1.60a, 1.80a, 2a, 2.20 GHz or higher or Intel® Celeron® D processors or Intel® Celeron® processors 2 GHz or higher, as well as the 1.8a GHz in the 478-pin package  | Intel® Celeron® D processors in the LGA775 package  | Intel® Pentium® 4 processors or Intel® Celeron® D processors in the LGA775 package   |
| <b>Platform Compatibility Guide</b>       | Not Applicable   | 04A   | 04A or 04B   |
| <b>Supported FSB</b>                      | 800 MHz / 533 MHz / 400 MHz  | 533 MHz   | 800 MHz / 533 MHz  |
| <b>Chipset</b>                            | Intel® 865G Chipset  | Intel® 910GL Express Chipset  | Intel® 915GV Express Chipset   |
| <b>Supports HT Technology<sup>1</sup></b> | Yes  | No  | Yes  |
| <b>Graphics</b>                           | Intel® Extreme Graphics 2  | Intel® Graphics Media Accelerator 900   | Intel® Graphics Media Accelerator 900  |
| <b>Graphics Connector</b>                 | AGP 8X / 4X (0.8V or 1.5V only)  | None  | None   |
| <b>Memory Support</b>                     | DDR 400 <sup>2</sup> / 333 <sup>3/7</sup> / 266 SDRAM<br>4 slots, Dual-channel (4GB Max.)  | DDR 400 / 333 SDRAM<br>2 slots, Dual-channel (2GB Max.)   | DDR 400 / 333 SDRAM<br>4 slots, Dual-channel (4GB Max.)  |
| <b>Expansion Slots</b>                    | 3 PCI  | 1 PCI Express* x1, 2 PCI  | 1 PCI Express* x1, 2 PCI   |
| <b>Audio</b>                              | Flexible 6-channel audio with jack sensing   | Intel® High Definition Audio: Flexible 6-channel audio with jack sensing  | Intel® High Definition Audio: Flexible 6 channel audio with jack sensing   |
| <b>USB Ports</b>                          | Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers  | Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers   | Hi-Speed USB 2.0, 4 Back Ports / 4 Ports via 2 internal headers  |
| <b>1394</b>                               | None   | None  | None   |
| <b>Storage</b>                            | SATA150 (1.5Gb/s) (2 ports) and ATA100/66 up to four devices   | SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to two devices   | SATA150 (1.5Gb/s) (4 ports) and ATA100/66 up to 2 devices  |
| <b>RAID</b>                               | None   | None  | None   |
| <b>On-Board LAN</b>                       | Intel PRO 10/100/1000, Intel PRO 10/100, or No-LAN   | Intel PRO 10/100 or No-LAN  | Intel PRO 10/100 or No-LAN   |
| <b>TPM</b>                                | No   | No  | No   |
| <b>Software</b>                           | Intel® Express Installer<br>Intel® Active Monitor<br>SoundMAX® 4 XL<br>Norton Internet Security*<br>NTI® CD-Maker<br>RealOne® Player<br>Diskkeeper® Lite<br>WinDVR® Lite<br>Sonic Focus®<br>Farstone® Restore!T! Lite                    | Intel® Express Installer<br>Intel® Desktop Utilities <sup>4</sup><br>Sonic Focus®<br>Norton Internet Security*<br>NTI® CD-Maker<br>Musicmatch® Jukebox<br>InterVideo® Home Theater Silver<br>InterVideo® WinDVD Creator Silver<br>Farstone® Restore!T! Lite<br>LANDesk® System Manager <sup>3</sup><br>WebEx <sup>3</sup> | Intel® Express Installer<br>Intel® Desktop Utilities <sup>4</sup><br>Sonic Focus®<br>Norton Internet Security*<br>NTI CD-Maker<br>Musicmatch® Jukebox<br>InterVideo® Home Theater Silver<br>InterVideo® WinDVD Creator Silver<br>Farstone® Restore!T! Lite<br>LANDesk® System Manager <sup>3</sup><br>WebEx <sup>3</sup> |
| <b>Intel Advanced BIOS</b>                | Intel® Rapid BIOS Boot<br>Intel® Precision Cooling Technology<br>Intel® Digital Signature Technology<br>Intel® Fault Tolerant Flashing<br>Intel® Express BIOS Update<br>Multiple Language Support  | Intel® Rapid BIOS Boot<br>Intel® Precision Cooling Technology<br>Intel® Digital Signature Technology<br>Intel® Fault Tolerant Flashing<br>Intel® Express BIOS Update<br>Multiple Language Support   | Intel® Rapid BIOS Boot<br>Intel® Precision Cooling Technology<br>Intel® Digital Signature Technology<br>Intel® Fault Tolerant Flashing<br>Intel® Express BIOS Update<br>Multiple Language Support  |
| <b>Warranty</b>                           | 3 year limited warranty  | 3 year limited warranty   | 3 year limited warranty  |

## 1.2 Overview

### 1.2.1 Feature Summary

Table 1 summarizes the major features of the Desktop Board D910GLDW.

**Table 1. Feature Summary**

|  |  |
|--|--|
| <b>Form Factor</b>                       | microATX Form Factor (9.60 inches by 9.60 inches [243.84 millimeters by 243.84 millimeters])   |
| <b>Processor</b>                         | Support for an Intel® Celeron® processor in an LGA775 socket   |
| <b>Memory</b>                            | <ul style="list-style-type: none"> <li>• Two DDR SDRAM Dual Inline Memory Module (DIMM) sockets</li> <li>• Support for DDR 400 MHz and DDR 333 MHz DIMMs</li> <li>• Support for up to 2 GB of system memory</li> </ul>   |
| <b>Chipset</b>                           | Intel® 910GL Chipset, consisting of: <ul style="list-style-type: none"> <li>• Intel® 82910GL Graphics Memory Controller Hub (GMCH)</li> <li>• Intel® 82801FB I/O Controller Hub (ICH6)</li> <li>• 4 Mbit Firmware Hub (FWH)</li> </ul>   |
| <b>Video</b>                             | Intel® GMA900 onboard graphics subsystem   |
| <b>Audio</b>                             | Intel® High Definition Audio subsystem using the Realtek ALC860 audio codec  |
| <b>I/O Control</b>                       | LPC Bus I/O controller   |
| <b>USB</b>                               | Support for USB 2.0 devices  |
| <b>Peripheral Interfaces</b>             | <ul style="list-style-type: none"> <li>• Eight USB ports</li> <li>• One serial port</li> <li>• One parallel port</li> <li>• Four Serial ATA interfaces</li> <li>• One Parallel ATA IDE interface with UDMA 33, ATA-66/100 support</li> <li>• One diskette drive interface</li> <li>• PS/2* keyboard and mouse ports</li> </ul> |
| <b>BIOS</b>                              | <ul style="list-style-type: none"> <li>• 4 Mbit FWH</li> <li>• Intel® Rapid BIOS Boot</li> <li>• Support for Advanced Configuration and Power Interface (ACPI), Plug and Play, and SMBIOS</li> </ul>   |
| <b>Instantly Available PC Technology</b> | <ul style="list-style-type: none"> <li>• Support for PCI Local Bus Specification Revision 2.2</li> <li>• Support for PCI Express Revision 1.0a</li> <li>• Suspend to RAM support</li> <li>• Wake on PCI, RS-232, front panel, PS/2 devices, and USB ports</li> </ul>   |

continued

**Table 1. Feature Summary (continued)**

|                                   |   |
|-----------------------------------|---|
| <b>Expansion Capabilities</b>     | <ul style="list-style-type: none"> <li>• Two PCI Conventional bus add-in card connectors (SMBus routed to PCI Conventional bus connector 2)</li> <li>• One PCI Express x1 bus add-in card connector</li> </ul>  |
| <b>Hardware Monitor Subsystem</b> | <ul style="list-style-type: none"> <li>• Hardware monitoring and fan control ASIC</li> <li>• Voltage sense to detect out of range power supply voltages</li> <li>• Thermal sense to detect out of range thermal values</li> <li>• Three fan connectors</li> <li>• Three fan sense inputs used to monitor fan activity</li> <li>• Fan speed control</li> </ul> |

## 1.2.2 Manufacturing Options

Table 2 describes the manufacturing options on the Desktop Board D910GLDW. Not every manufacturing option is available in all marketing channels. Please contact your Intel representative to determine which manufacturing options are available to you.

**Table 2. Manufacturing Options**

|                             |  |
|-----------------------------|--|
| <b>IEEE-1394a Interface</b> | IEEE-1394a controller and two IEEE-1394a connectors                                      |
| <b>LAN Support</b>          | 10/100 Mbps/sec LAN subsystem using the Intel® 82562EZ Platform LAN Connect (PLC) device |

| <b>For information about</b>                            | <b>Refer to</b>      |
|---|----------------------|
| Available configurations for the Desktop Board D910GLDW | Section 1.3, page 15 |