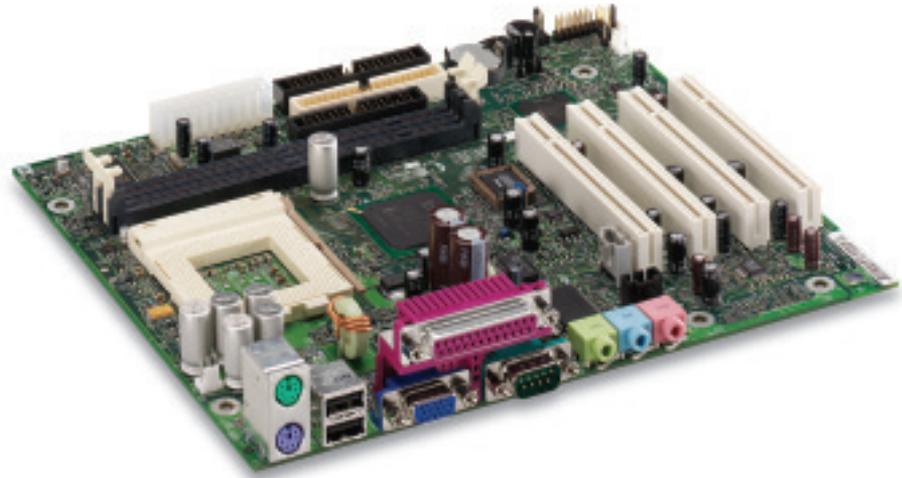


Intel® Desktop Board D815EGEW

For Intel® Celeron™ Processors Essential Features and Proven Reliability

Product Brief

- Two 133/100 MHz SDRAM DIMM sockets**
 - Supports a maximum 512MB PC133/PC100 SDRAM
- Ultra ATA/100/66**
 - Faster disk I/O
- Intel® 815EG Chipset**
 - Features Intel integrated graphics
- Four PCI Slots**
 - Expansion slots for custom system configurations and add-in card upgrades



Support for Intel® Pentium III and Intel® Celeron™ Processors

Integrated AC97 Audio

- Exceptional sound using the ADI 1885 codec featuring SoundMAX* with SPX

PRO/100 Network Connection (integrated LAN) (optional)

- On-board 10/100 Ethernet LAN

Two USB Ports

- Easy peripheral connectivity

Micro ATX Form Factor

- Fits in both Micro ATX and ATX chassis, a proven standard for easy integration

The new Intel® Desktop Board D815EGEW was designed to utilize proven technology, excellent design and solid performance. The Desktop Board D815EGEW provides universal support for all Intel desktop processors with a 370-pin socket, including both the Intel® Pentium® III and Intel® Celeron™ processors.

The Intel® 815EG Chipset

The Intel 815EG chipset features Intel integrated graphics.

Quality—Continued technology leadership from Desktop Boards D815EEA2 and D815EFV

Simplicity—Layout, value-add software, and integration tools

Longevity—Support for Intel processors, today and tomorrow

The Desktop Board D815EGEW supports all essential features with stable and reliable performance, and is designed to support both current and emerging applications.



Snap Integration

The Boxed Intel Desktop Board D815EGEW includes integration tools that ensure system compatibility and easy integration, to save time and money. A full suite of software that features Intel Express Installer is also included for simplified and efficient software integration. The boxed desktop board also provides a copy of Norton* Internet Security software with valuable virus protection and other Web-based applications designed to protect crucial and confidential data. This software suite is unique to Intel desktop boards and adds greater value for both the system integrator and end-user. Every Intel desktop board is backed by results-oriented Intel service and support and a three-year limited warranty.

The Boxed Intel® Desktop Board D815EGEW includes:

- Intel Desktop Board D815EGEW featuring Intel 815EG chipset with integrated graphics, audio and optional LAN
- Micro ATX 2.01 compliant I/O shield
- One Ultra ATA/100/66 cable and one floppy cable
- Quick Start Guide
- Configuration label, stickers, back-panel label and a battery-warning label
- CD with software drivers, warranty, product guide and value-added software applications



Features

Benefits

Support For Intel® Pentium® III and Intel® Celeron™ Processors

Universally supports both Intel® Celeron™ and Intel® Pentium® III processors, including the newest .13-micron technology.

Intel® 815EG Chipset

Features integrated graphics, audio and optional LAN. Provides flexibility to support system bus designs with new performance-enhanced features.

Micro ATX Form Factor

Supports Micro ATX, for both ATX and Micro ATX chassis. Proven form-factor standard for easy integration.

Two 133/100-mhz SDRAM DIMM Sockets

Supports a maximum 512MB of SDRAM

Integrated Audio

Features high fidelity AC97 audio enriched through Soundmax* with SPX

Four PCI SLOTS

Four PCI slots for optimal flexibility and upgradeability

Two USB ports

Two back-panel USB ports facilitate ease of use

Integrated Intel Pro/100 Networking Connection(LAN) (optional)

Intel® 82562ET (Kinnereth) LAN (Optional)

I/O Support

Ultra ATA66/100 enabling high speed data input and output transfer rate

Intel Rapid Bios Boot

Intel rapid BIOS boot for reduced boot time

Instantly available PC (suspend to RAM)

Power management mode to reduce PC power consumption. Allows PC to suspend to resume quickly without needing to reboot

Intel Express Installer Software Suite

Software designed specifically for Intel desktop boards for ease of integration. Suite includes:

- Norton Internet Security
- NTI CD-Maker2000*
- Realplayer* Basic and realjukebox* Basic
- Software Drivers
- Product Guide
- Desktop Board Warranty

Three-year Limited Warranty

Expanded investment protection

Intel® Desktop Board D815EGEW Specifications

Processor

| | |
|--|---|
| Processors Supported | Intel® Pentium® III processors with 133MHz or 100MHz system bus in the FC-PGA package Intel® Celeron™ processors with 100MHz or 66MHz system bus in the FC-PGA package |
| Intel® 815EG Chipset | Intel® 82815 Graphics and Memory Controller Hub (GMCH) with Accelerated Hub Architecture bus I/O Controller Hub (ICH2) with Accelerated Hub Architecture bus Firmware Hub (FWH) |
| Graphics/Memory Controller Hub (GMCH) | Integrated Intel 3D Graphics |
| I/O Controller Hub (ICH2) | Ultra DMA/33 |
| ICH2 I/O Controller Hub | Ultra ATA/100/66 Four PCI request-grant pairs for support of four PCI Bus Masters |
| I/O Features | Integrated Super I/O LPC bus controller Four PCI Local Bus slots Power Management support for both ACPI 1.0 and APM 1.2 PC 99 and PC 99A Compliance |
| USB | USB controller with 2 USB backports |
| Firmware Hub | |
| System BIOS | 4Mb Flash EEPROM with Intel/AMI* BIOS featuring plug-and-play, IDE drive auto-configure, Advanced Power Management (APM) 1.2, ACPI 1.0, DMI 2.0, multilingual support |
| Intel® Rapid BIOS Boot | Optimized system initialization delivering faster access to PC from power-on |
| System Memory | |
| Memory Capacity | Two 168-pin unbuffered DIMM sockets for 32MB (min) to 512MB (max) SDRAM |
| Memory Type | PC100, 100MHz both ECC and non-ECC (all system bus speeds) PC133, 133MHz both ECC and non-ECC (133MHz system bus only) |
| Memory Voltage | 3.3 V |
| Audio | ADI 1885 AC97 |
| LAN | Intel® PRO/100 Network Connection (integrated LAN; optional) RJ-45 connector with link and speed LEDs Auto-negotiation of 10 BaseT and 100 BaseTX |

Wake on LAN (WOL)

Wired for Management (WfM) 2.0 compliant
Support for system wake up using an add-in network interface card with remote wake up capability, integrated 82562ET network adapter, or PCI Slot 2

Expansion Capabilities

4 PCI bus add-in card connectors (PCI) Local Bus Specification Revision 2.2

Jumpers and Front Panel Connectors

Jumpers

3-pin jumper block to set configuration mode for the BIOS setup program

Front Panel Connector

Reset, HD LED, power LEDs, power on/off, standby header, auxiliary LED

Mechanical

Board Style

Micro ATX mounting holes and external connector placement

Board Size

9.2" x 7.65"

Environment

Operating Temperature

0° C to +55° C

Storage Temperature

-40° C to +70° C

Regulations

Safety Regulations

| | |
|---|-----------------------|
| US and Canada | UL 1950—CSA 950-95 |
| US and Canadian recognition component marks | |
| Europe | Classified to IEC 950 |

EMI/RFI reg: Intended for use in systems meeting the following EMI/RFI regulations:

| | |
|--------|---|
| US | FCC Class B (DoFC - Cover off testing) |
| Canada | IC Class B |
| Europe | EU Class B (Res, Com, Light Industry) |
| Japan | VCCI, Class B (ITE) EEA (European Economic Area) EN55022: 1998, uses CISPR 22 3rd edition |
| | Power requirements vary with system configuration and use. Complies with US CRF via EN55022 + 6db in an open chassis and EU Directive 89/336/EEC via EN55022 and EN50082-1 in a representative chassis. |

Ordering Information—See Intel's Web site at www.intel.com

For the most current product information, visit the Intel Web site at:

www.intel.com or program.intel.com/ibp/products/boards/

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life-saving, or life-sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

The Intel® Desktop Board D815EGEW may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Intel, Celeron, Pentium, and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

*Other names and brands may be claimed as the property of others.

