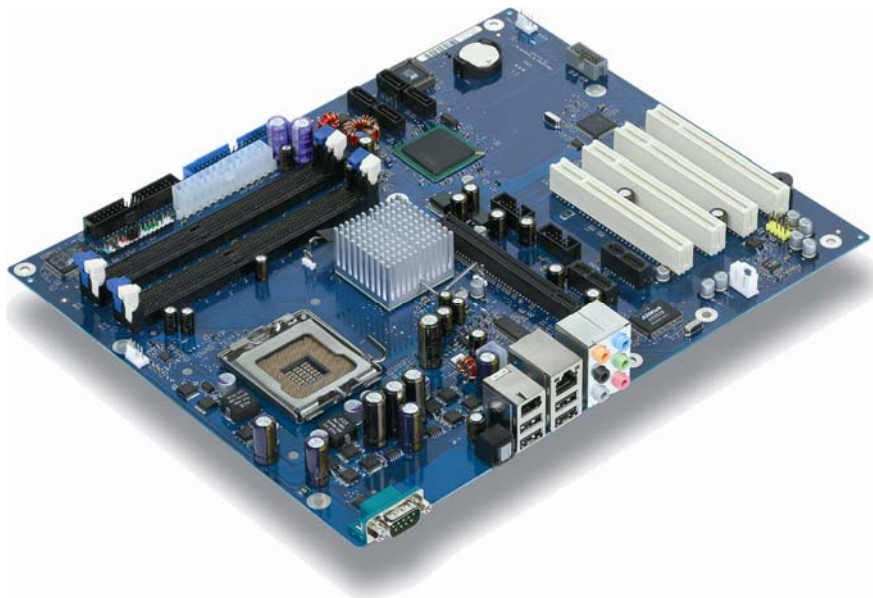


## Value Mainboard D1826-G

Issue October 2004

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Intel 915P Express Chipset for  
DDR400 SDRAM (PC3200) Memory and  
Intel Pentium 4 Processors (800 MHz FSB)



### Chipset:

Intel® 915P

### Processors:

Intel® Pentium® 4 Processors,  
LGA775 with  
800/533 MHz FSB

Intel® Celeron® Processors,  
LGA775 with 533 MHz FSB

Support for Hyper-Threading Technology

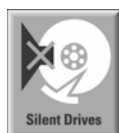
Compatible with Intel® 04B and 04A processors

### Memory:

DDR400 SDRAM (PC3200)  
DDR333 SDRAM (PC2700)

### Product Features:

7.1 Audio on board  
FireWire™ on board  
USB 2.0 on board  
LAN on board  
Serial ATA RAID on board



<b>Board Size</b>	ATX: 12" x 9.6" (304.8 x 243.8 mm)
<b>Chipset</b>	Intel® 915P

**Memory**  
 4 DIMM Sockets (2.5V), 128 MB - 4 GB, 184 Pin  
 Single or Dual Channel, DDR400/333 SDRAM (PC3200/2700), unbuffered, no ECC  
 (For details on recommended RAM, please refer to our website)

**Processors**  
 Intel® Pentium® 4 Processors, LGA775, 800/533 MHz FSB  
 Intel® Celeron® Processors, LGA775, 533 MHz FSB  
 Support for Hyper-Threading Technology, compatible with Intel® 04B and 04A processors  
 (For details on processors supported, please refer to our website)

**Power Specification**  
 BTX12V (24 Pin) or ATX12V (20 Pin) Power Supply required  
 Support for Soft-Off Power Supplies  
 5V and 3.3V Supply Voltage on PCI Slots (PCI Rev. 2.3)  
 3.3V Auxiliary Supply Voltage on PCI Slots (Wake-Up Function)  
 On board CPU Voltage Regulator, 5V / 2A Auxiliary Power required for USB Wake-Up from Save-to-RAM, Save-to-Disk

**Power Supply Requirements**  
 for onboard components (worst case)

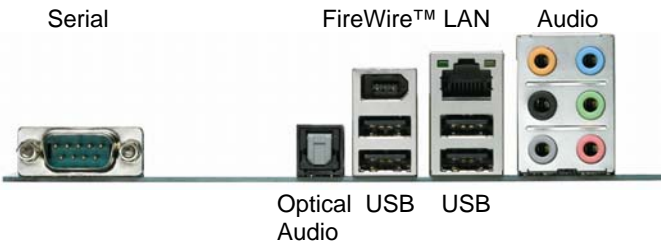
Source	Voltage	Maximal variation	Mainboard current (Maximal)
Main Power Supply	+ 12 V	± 5 %	10.0 A
	- 12 V	± 10 %	0.05 A
	+ 5 V	± 5 %	6 A
	+ 3.3 V	± 5 %	4 A
Aux. Power Supply	+ 5 V	± 5 %	2 A

**BIOS**  
 Phoenix cME FirstBIOS Desktop Pro Version V5.00 modified and adapted by Fujitsu Siemens Computers; Recovery BIOS, SM-BIOS (DMI), BIOS and CPU Microcode Update via disk (stable user settings), Quick Boot, Logo Boot, Quiet Boot, Plug & Play, Automatic DRAM and PCI Configuration, BIOS Support for S.M.A.R.T., Advanced Power Management, ACPI S3 (Save-to-RAM), ACPI S4 (Save-to-Disk), Wake on time from S5

**Security Features**  
 Recovery BIOS, System and BIOS Password, Boot and/or Write Protection for Floppy Disk Drive, Boot Sequence Control for each Floppy and IDE Drive, Serial and Parallel Port Access Protection, Boot Sector Virus Warning, Write Protection for Flash BIOS

**Special Features**  
 Green Edition Halogen-free and lead-reduced  
 Silent Fan LT Independent temperature related processor-fan supervision and control  
 Silent Drives Noise reduction for optical and hard disk drives  
 Safe Standby Prevents data loss in S3 (save-to-RAM)  
 Recovery BIOS Restores a corrupted BIOS  
 Desk Update Simple driver update with DU CD  
 Multi Boot Comfortable boot from any boot device  
 USB Security Access protection with Memory Bird from Fujitsu Siemens Computers

**External Connectors**



**Audio**  
 Intel® High Definition Audio (Azalia) based on the Realtek ALC880 codec, 7.1 Analog and digital (optical) output, HW 3D Stereo Enhancement, SW Wavetable Synthesis Support

**LAN**  
 ADMtek LAN Ethernet Controller AN983 B with 10/100 Mbit/s, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, bootix® BootP or bootix® PXE Support, BIOS MAC Address Display

**FireWire™**  
 Agere FW 322, 1394 Controller, two 1394 interfaces

**IDE**  
 1 ATA 100 Interface, up to 2 Drives,  
 4 Serial ATA 150 Interfaces, up to 4 Drives, RAID

Versions	D1826-G
<b>Features</b>	
Chipset	Intel® 915P
Board Size	ATX
VGA	-
Audio / 6-channel / S/PDIF / 7.1	✓ / ✓ / ✓ / ✓
Buzzer / int. Speaker Support	✓ / -
LAN Gbit / 100 Mbit / 10 Mbit	- / ✓ / ✓
LAN ASF / AoL / WoL / Boot	- / - / ✓ / ✓
SATA / ATA / RAID	✓ / ✓ / ✓
FireWire™ / USB 2.0	✓ / ✓
FAN monitored PSU**/CPU/AUX1/AUX2	- / ✓ / - / -
FAN controlled PSU**/CPU/AUX1/AUX2	- / ✓ / - / -
TEMP monitored CPU/ONB1/ONB2/OFFB	✓ / - / - / -

**Special Features**

Silent Fan / Silent Fan LT	- / ✓
System Guard / Silent Drives	- / ✓
Recovery BIOS/Desk Update/Multi Boot/Safe Standby	✓ / ✓ / ✓ / ✓
HDD Password / USB Security	- / ✓
Logo Boot / Intel On Screen Branding	✓ / ✓

**Internal Connectors**

DIMM Sockets (DDR400 SDRAM, PC3200)	4
PCI Express x16	1
PCI Slots (32Bit, 33 MHz, 5 V and 3.3 V) PCI Rev. 2.3	4
PCI Express x1	2
SATA (150) / ATA (100) / Floppy	4 / 1 / 1
S/PDIF * (digital Audio) OUT / IN	- / -
CD / AUX Audio Input	- / 1
Frontpanel Audio (9-Pin, Azalia Pinning)	1
FireWire™ * (9-Pin, Intel standard header)	1
USB * (2.0, ~480 MB/s)	4
Serial * (FIFO, 16550 compatible)	-
FAN PSU**/CPU/AUX1/AUX2	- / 1 / 1 / -
SMBus * (Case Temperature)	-
Intrusion * (Case Open)	-
Power BTX (ATX supported) / ATX12V / AGP Pro	1 / 1 / -

**External Connectors**

VGA	-
Audio Sur / RSUR. / Cen. & LFE (or driver configuration)	1 / 1 / 1
Audio Mic. In / Line in / Line out (or driver configuration)	1 / 1 / 1
S/PDIF (digital Audio, optical) OUT / IN	1 / -
LAN (RJ-45)	1
PS/2 Mouse / Keyboard	- / -
FireWire™ (6-Pin, IEEE 1394)	1
USB (2.0, ~480MB/s)	4
Serial (RS232, FIFO, 16550 compatible)	1
Parallel (EPP/ECP)	-

\* for use with internal devices or optional Front- or Rearpanel  
 \*\* not supported by standard Power Supplies