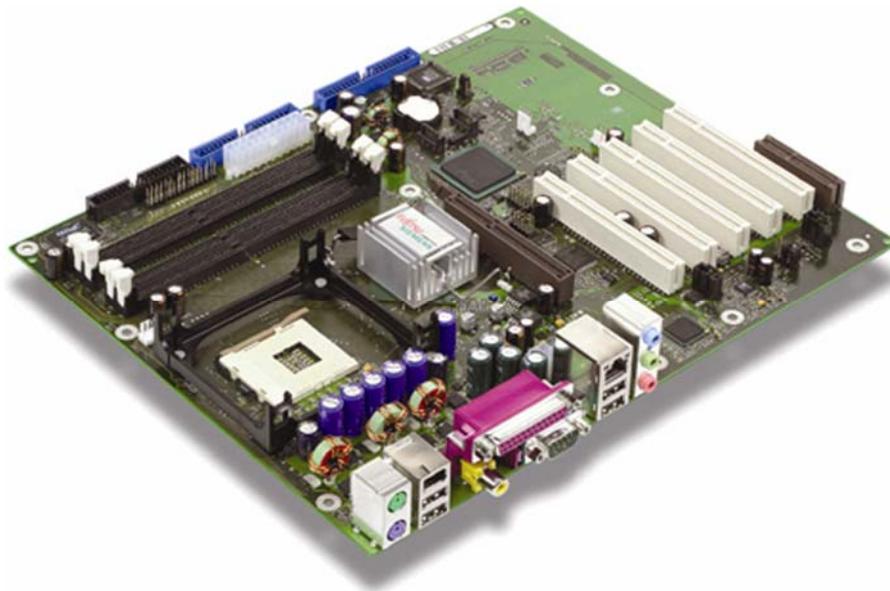


Value Mainboard D1625-C

Issue October 2004

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Intel 865PE Chipset for
DDR400 SDRAM (PC3200) Memory and
Intel Pentium 4 Processors (800 MHz FSB)



Chipset:

Intel® 865PE

Processors:

Intel® Pentium® 4 Processors,
mPGA 478 with
800/533/400 MHz FSB

Intel® Celeron® Processors,
mPGA 478 with 533/400 MHz FSB
Support for Hyper-Threading Technology
PSC FMB 1.5

Memory:

DDR400 SDRAM (PC3200)
DDR333 SDRAM (PC2700)
DDR266 SDRAM (PC2100)

Product Features:

5.1. Audio on board
FireWire™ on board
USB 2.0 on board
LAN on board
Serial ATA on board



Board Size	ATX: 12" x 9.6" (304.8 x 243.8 mm)
Chipset	Intel® 865PE

Memory
 4 DIMM Sockets (2.5 V), 128 MB - 4 GB, 184 Pin
 Single or Dual Channel, DDR400/333/266 SDRAM
 (PC3200/2700/2100), unbuffered, no ECC
 (For details on recommended RAM, please refer to our website)

Processors
 Intel® Pentium® 4 Processors, mPGA 478, 800/533/400 MHz FSB,
 Intel® Celeron® Processors, mPGA 478, 544/400 MHz FSB
 Support for Hyper-Threading Technology, PSC FMB 1.5
 (For details on processors supported, please refer to our website)

Power Specification
 ATX 12V Power Supply required
 Support for Soft-Off Power Supplies
 5V and 3.3V Supply Voltage on PCI Slots
 3.3 V 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)

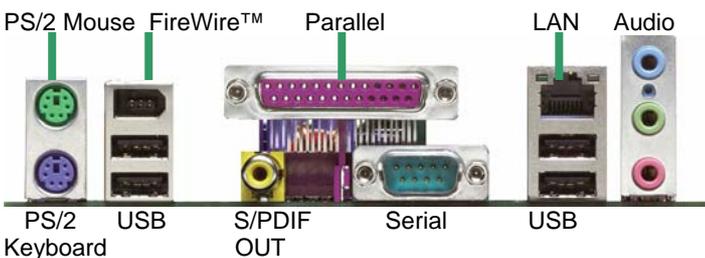
Source	Voltage	Maximal variation	Mainboard current (Maximal)
Main Power Supply	+ 12 V	± 5 %	9 A
	- 12 V	± 10 %	0.05 A
	+ 5 V	± 5 %	6.5 A
	+ 3.3 V	± 5 %	4 A
Aux. Power Supply	+ 5 V	± 5 %	0.5 A

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
 Silent Fan LT Independent temperature related processor fan supervision
 Silent Drives Noise reduction for optical and hard disk drives
 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 Fujitsu Siemens Computers Memory Bird

External Connectors



Audio
 Realtek, AC '97 Audio, HW 3D Stereo Enhancement, SW Soundblaster Emulation (Win98/WinME/ Win2000) Support, SW Wavetable Synthesis Support

LAN
 Intel® LAN Ethernet Controller 82562 EZ with 10/100 MBit/s, Wake-on-LAN (WoL) by interesting Packets, Link Status Change : Magic Packet™

FireWire™
 Agere FW 322, 1394 Controller, two 1394 Interfaces

IDE
 2 ATA 100 Interfaces, up to 4 Drives
 2 Serial ATA 150 Interfaces, up to 2 Drives

Versions	D1625-C
Features	
Chipset	Intel® 865PE
Board Size	ATX
VGA	-
Audio / 6-channel / S/PDIF 5.1	✓ / ✓ / ✓
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	✓ / ✓ / ✓
HDD Password / USB Security	- / ✓
Logo Boot / Intel On Screen Branding	- / ✓

Internal Connectors	
DIMM Sockets (DDR400 SDRAM, PC3200)	4
AGP Slot (2/4/8x, 32Bit, 66 MHz, 1.5 V)	1
PCI Slots (32Bit, 33 MHz, 5 V and 3.3 V) Rev. 2.3	5
CNR Slot (Type A, AC'97 only)	-
SATA (150) / ATA (100) / Floppy	2 / 2 / 1
S/PDIF * (5.1 digital Audio) OUT / IN	- / -
CD / AUX Audio Input	1 / 1
Frontpanel Audio (9-Pin for headphone, microphone)	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 ATX/ATX 12V/AGP Pro	1 / 1 / -

External Connectors	
VGA	-
Audio Mic. In / Line in / Line out (or driver configuration)	1 / 1 / 1
S/PDIF (5.1 digital Audio, cinch) OUT / IN	1 / -
LAN (RJ-45)	1
PS/2 Mouse / Keyboard	1 / 1
FireWire™ (6-Pin, IEEE 1394)	1
USB (2.0, ~480MB/s)	4
Serial (RS232, FIFO, 16550 compatible)	1
Parallel (EPP/ECP)	1

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