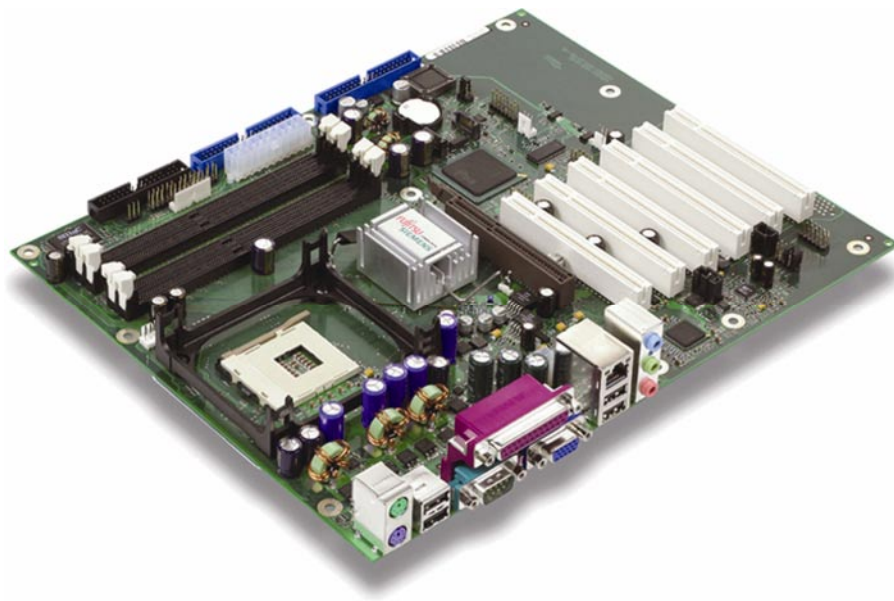


Mainboard D1567-C/D1562-C

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



premium



Intel[®] PRO
Network Connections

Intel[®]
extreme
graphics

Data Sheet

Chipset:

Intel[®] 865G

Processors:

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

Intel[®] Celeron[®] Processors,
mPGA 478 with 400 MHz FSB

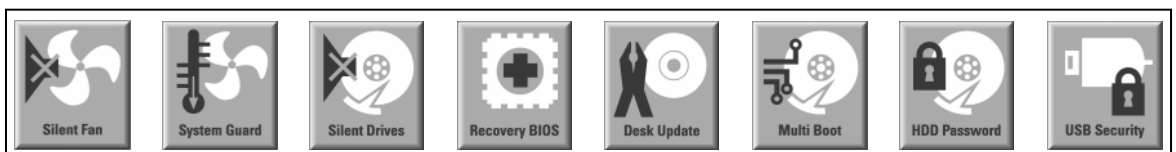
Support for Hyper-Threading
Technology

Memory:

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

Product Features:

Graphics on board
Audio on board
USB 2.0 on board
GBit LAN on board
Serial ATA on board



Board Size	ATX (D1567): 12" x 9.6" (304.8 x 243.8 mm) µATX (D1562): 9.6" x 9.6" (243.8 x 243.8 mm)
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Chipset	Intel® 865G
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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, 400 MHz FSB
Support for Hyper-Threading Technology
(For details on processors supported, please refer to our website)

Power Specification
ATX 12 V Power Supply required
Support for Soft-Off Power Supplies
5 V and 3.3 V Supply Voltage on PCI Slots
3.3 V Auxiliary Supply Voltage on PCI Slots (Wake-Up Function)
On board CPU Voltage Regulator, 5 V / 2 A Auxiliary Power required for
USB Wake-Up from Save-to-RAM, Save-to-Disk

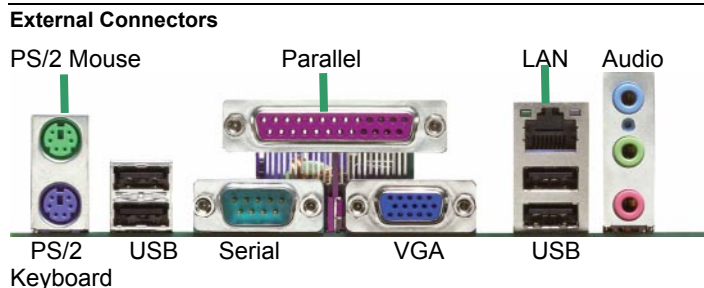
Power Supply Requirements
for onboard components (worst case)

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 Independent temperature related processor and fan supervision and control
System Guard View and adjust Silent Fan
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
HDD Password Access protection for ATA5/ATAPI5 disk drives
USB Security Access protection with Fujitsu Siemens Computers Memory Bird



Graphics
Integrated Intel® Extreme Graphics, 2D/3D Graphics Controller,
32 Bit, 120 Hz max. Refresh Rate, 2048 x 1536 max. Resolution,
350 MHz RAMDAC, Dynamic Video Memory Technology, upgradeable with
AGP Graphics Card or ADD Cards to support digital displays or TV Out, DDC
2B Support for Monitor Detection

Audio
Analog Devices AD1980, AC '97 Audio, S/PDIF 5.1, HW 3D Stereo
Enhancement, SW Soundblaster Emulation (Win98/WinME/ Win2000)
Support, SW Wavetable Synthesis Support

LAN
Intel® LAN Ethernet Controller 82547 EI with 10/100/1000 Mbit/s,
Alert Standard Format (ASF), Wake-on-LAN (WoL) by interesting
Packets, Link Status Change and Magic Packet™, bootix® BootP or
bootix® PXE Support

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

Versions	D1567-C	D1562-C
Features		
Chipset	Intel® 865G	
Board Size	ATX	µATX
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	4
AGP Slot (2/4/8x, 32Bit, 66 MHz, 1.5 V)	1	1
PCI Slots (32Bit, 33 MHz, 5 V and 3.3 V)	6	3
CNR Slot (Type A, AC'97 only)	-	-
SATA (150) / ATA (100) / Floppy	2 / 2 / 1	2 / 2 / 1
S/PDIF * (5.1 digital Audio) OUT / IN	1 / -	1 / -
CD / AUX Audio Input	1 / -	1 / -
Frontpanel Audio	1	1
FireWire™ * (9-Pin, Intel standard header)	-	-
USB * (2.0, ~480 MB/s)	4	4
Serial * (FIFO, 16550 compatible)	1	1
FAN PSU**/CPU/AUX1/AUX2	1 / 1 / 1 / -	1 / 1 / 1 / -
SMBus * (Case Temperature)	1	1
Intrusion * (Case Open)	1	1
Power ATX/ATX 12V/AGP Pro	1 / 1 / -	1 / 1 / -

External Connectors

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

* for use with internal devices or optional Front- or Rearpanel

** not supported by standard Power Supplies

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