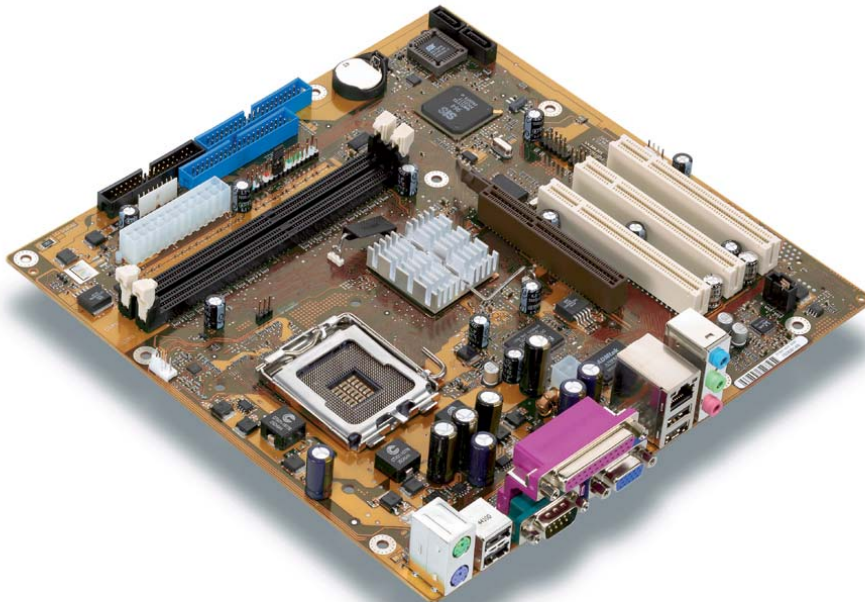


Value Mainboard D1961-A

Issue February 2006

Pages 2

SiS 661FX/964 Chipset for DDR400 SDRAM (PC3200) Memory and Intel® Pentium® 4 Processors (800MHz)



Chipset:

SiS 661FX/964

Processors:

Intel® Pentium® 4 Processors,
LGA 775 with 800/533 MHz FSB

Intel® Celeron® D Processors,
LGA775 with 533 MHz FSB

Support for Hyper-Threading Technology

Compatible with Intel® 04A processors

Memory:

DDR400 SDRAM (PC3200)

DDR333 SDRAM (PC2700)

Product Features:

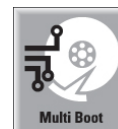
Graphics on board

Audio on board

USB 2.0 on board

LAN on board

Serial ATA RAID on board



Board Size μ ATX: 9.6" x 9.6" (243.8 x 243.8 mm)

Chipset SiS 661FX/964

Memory

2 DIMM Sockets (2.5V), 128 MB - 2 GB, 184 Pin, DDR400/333 SDRAM (PC3200/2700), unbuffered, no ECC (For details on recommended RAM, please refer to our website)

Processors

Intel® Pentium® 4 Processors, LGA 775, 800/533MHz FSB
Intel® Celeron® D Processors, LGA 775, 533 MHz FSB
Compatible with Intel® 04A processors,
Support for Hyper-Threading Technology
(For details on processors supported, please refer to our website)

Power Specification

ATX 12V Power Supply required, BTX 12V PS possible
Support for Soft-Off Power Supplies
5V and 3.3V Supply Voltage on PCI Slots
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 %	8 A
	- 12 V	± 10 %	0,05 A
	+ 5 V	± 5 %	12 A
	+ 3.3 V	± 5 %	3,7 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

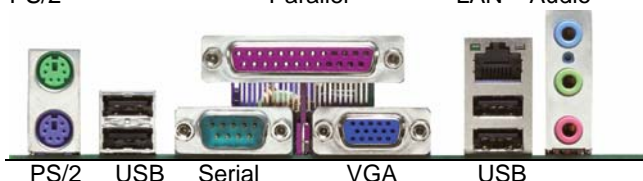
Recovery BIOS, System and BIOS Password, Boot and/or Write Protection for Floppy Disk Drive, Boot Sequence Control for each Floppy and IDE Drive, Serial and Parallel Port Access Protection, Boot Sector Virus Warning, Write Protection for Flash BIOS

Special Features

Silent Fan LT	Independent temperature related processor fan supervision and control
System Guard	View and adjust Silent Fan LT
Silent Drives	Noise reduction for optical and hard disk drives
Recovery BIOS	Restores a disrupted BIOS
Desk Update	Simple driver update with DU CD
Multi Boot	Comfortable boot from any boot device

External Connectors

PS/2 Parallel LAN Audio



PS/2 USB Serial VGA USB

Graphics

Integrated SiS Real256E Graphics, 2D/3D Graphics Controller, 24 Bit, 85 Hz max. Refresh Rate, 2048 x 1536 x 24 max. Resolution, 333 MHz RAMDAC, 32 MB shared memory, upgradeable with AGP

LAN

ADMtek Fast Ethernet Controller with 10/100 MBit/s, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, LAN Boot PXE, BIOS MAC Address Display

IDE

2 ATA 133 Interfaces, up to 4 IDE Drives
2 Serial ATA 150 Interfaces, up to 2 drives, RAID

Audio

Realtek ALC655 6 channel Audio, HW 3D Stereo Enhancement, SW Wavetable Synthesis Support Graphics Card, DDC 2B Support for Monitor Detection

Versions	D1961-A
Features	
Chipset	SiS661FX/964
Board Size	μ 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	-
Logo Boot / Intel On Screen Branding	✓ / ✓

Internal Connectors

DIMM Sockets (DDR400 SDRAM, PC3200)	2
AGP Slot (2/4/8x, 32Bit, 66 MHz, 1.5 V)	1
PCI Slots (32Bit, 33 MHz, 3.3 V) Rev. 2.3	3
CNR Slot (Type A, AC'97 only)	-
SATA (150) / ATA (133) / Floppy	2 / 2 / 1
S/PDIF * (5.1 digital Audio) OUT / IN	- / -
CD / AUX Audio Input	- / -
Frontpanel Audio (9-Pin, AC97 Pinning)	1
FireWire™ * (9-Pin, Intel standard header)	-
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 12V/AGP Pro	1 / 1 / -

External Connectors

VGA	1
Audio Mic. In / Line in / Line out (or driver configuration)	1 / 1 / 1
S/PDIF (5.1 digital Audio, cinch) OUT / IN	- / -
LAN (RJ-45)	1
PS/2 Mouse / Keyboard	1 / 1
FireWire™ (6-Pin, IEEE 1394)	-
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