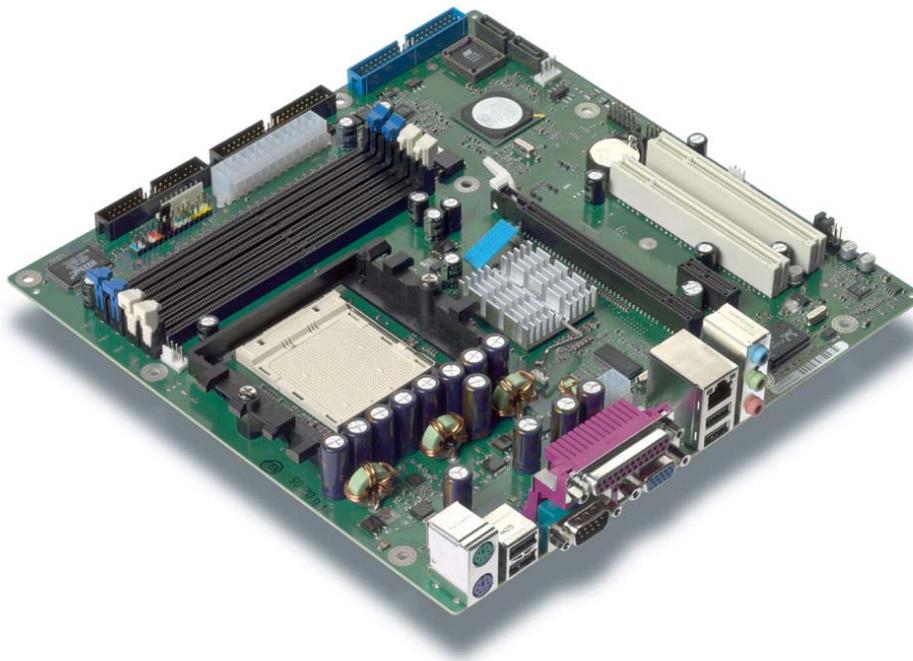


Value Mainboard D2030-A

Issue November 2006

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SiS761GX / 965L Chipset for DDR400 SDRAM (PC3200) Memory and
AMD Athlon™ 64 / Sempron™ Processors (Hyper Transport™)



Chipset:

SiS761GX / 965L

Processors:

AMD Athlon™ 64 X2
AMD Athlon™ 64
AMD Sempron™
Socket 939 with Hyper Transport™

Memory:

DDR400 SDRAM (PC3200)
DDR333 SDRAM (PC2700)

Product Features:

Graphics on board
Audio on board
USB 2.0 on board
GbE LAN on board
Serial ATA RAID on board



Board Size	µATX: 9,6" x 9,6" (243.8 x 243.8 mm)
Chipset	SiS761GX / 965L

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

Processors
 AMD Athlon™ 64 Processors (up to 4000+), AMD Athlon™ 64 X2 Processors (up to 4400+), AMD Sempron™ Processors
 Socket 939, Hyper Transport™
 (For details on supported processors, 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 Typical (Maximal)
Main Power Supply	+ 12 V	± 5 %	7 (9) A
	- 12 V	± 10 %	0,05 A
	+ 5 V	± 5 %	3 (6) A
	+ 3.3 V	± 5 %	6 (8) A
Aux. Power Supply	+ 5 V	± 5 %	2,00 A

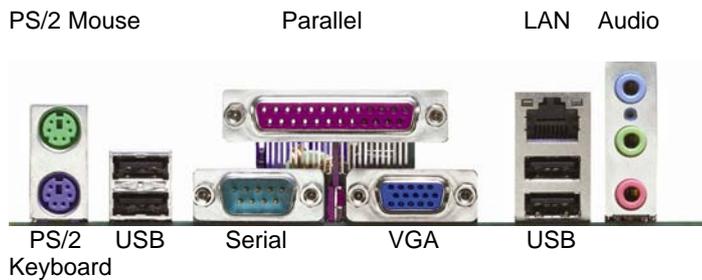
BIOS
 Phoenix cME FirstBIOS Desktop Pro Version V5.00
 modified and adapted by Fujitsu Siemens Computers; Recovery BIOS, SM-BIOS (DMI), BIOS and CPU Microcode Update via disk (stable user settings), Quick Boot, Logo Boot, Quiet Boot, Plug & Play, Automatic DRAM and PCI Configuration, BIOS Support for 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 control
System Guard	View and adjust Silent Fan LT
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

External Connectors



Graphics
 Integrated Mirage™ 1 Graphics Engine, 85 Hz max. Refresh Rate, 2048 x 1536 x 24 max. Resolution with 75Hz, 32, 64 or 128 MB shared memory, upgradeable with PCI Express x16 Graphics Card, High performance 256 bit 3D Engine, DirectX 7 complaint

Audio
 Realtek ALC655, 2-channel AC '97 Audio, HW 3D Stereo Enhancement, SW Wavetable Synthesis Support

LAN
 Realtek Ethernet Controller with 10/100/1000 MBit/s, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, bootix® PXE Support, BIOS MAC Address Display

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

Version D2030-A

Features

Chipset	SiS761GX/965L
Board Size	µATX
VGA	✓
Audio / 8-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 / Safe Standby	✓ / ✓ / ✓ / -
HDD Password	-
Logo Boot / Intel On Screen Branding	- / -

Internal Connectors

DIMM Sockets (DDR400 / DDR2 533)	4 / -
PCI Express x16 Slot for Graphics Card	1
PCI Express x1 Slot	1
PCI Slots (32Bit, 33 MHz, Rev. 2.3)	2
SATA (150) / ATA (133) / Floppy	2 / 1 / 1
S/PDIF (digital Audio) OUT / IN	- / -
Audio Input	-
Frontpanel Audio (9-Pin) AC'97 / pseudo Azalia	- / 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	1 / 1

External Connectors

VGA	1
Audio Mic. In / Line in / Line out (or driver configuration)	1 / 1 / 1
Audio Surround / RearSurround / CenterLFE	- / - / -
S/PDIF (digital Audio, cinch) OUT / IN	- / -
S/PDIF (digital Audio, optical) OUT	-
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

* Not supported by standard Power Supplies