Data Sheet

We make sure

FUJITSU SIEMENS COMPUTERS

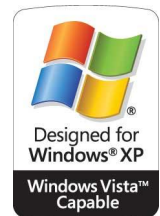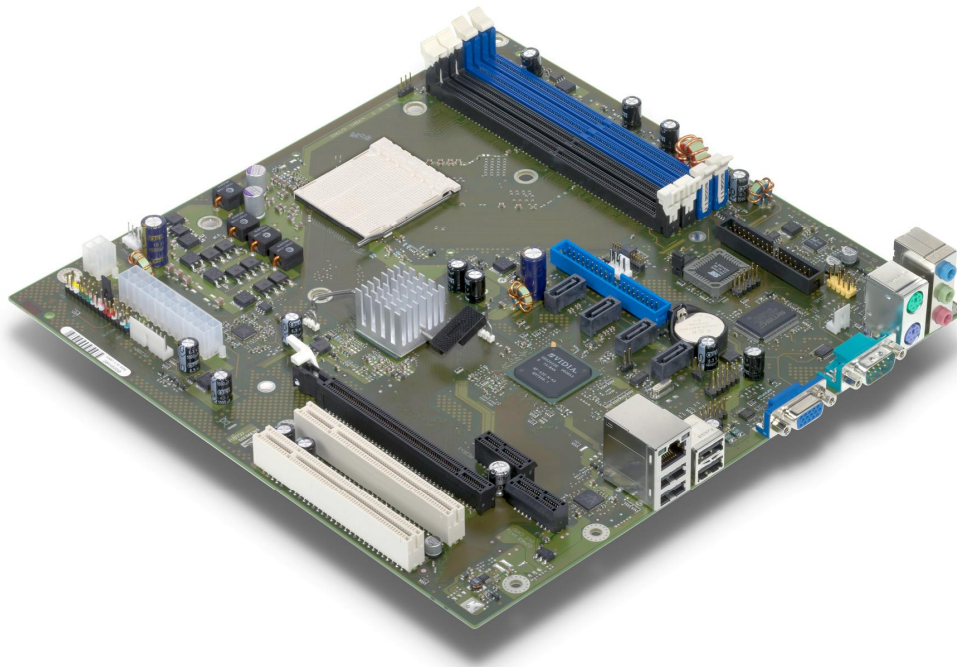# Value Mainboard D2461-C
µBTX

nVIDIA C51PVG / MCP51 Chipset for DDR2 800 / 667 SDRAM Memory and
AMD Opteron™ / Athlon™ 64 X2 / Athlon™ 64 / Sempron™ Processors (Hyper Transport™)

PCI EXPRESS®

SERIAL ATA

Designed for Windows® XP
Windows Vista™ Capable

Chipset:
nVIDIA C51PVG / MCP51

Processors:
AMD Opteron™
AMD Athlon™ 64 X2
AMD Athlon™ 64
AMD Sempron™

Socket AM2 with Hyper Transport™

Memory:
DDR2 533 SDRAM
DDR2 667 SDRAM
DDR2 800 SDRAM

Product Features:
Nvidia Geforce 6150LE graphics on board
Audio on board
GbE LAN on board
Serial ATA II RAID on board
USB 2.0 on board

Silent Fan LT | System Guard | Silent Drives | Desk Update | Recovery BIOS | Multi Boot

Board Size	µBTX: 10,5" x 9.95" (266.7 x 264.2 mm)
Chipset	nVIDIA C51PVG / MCP51

Memory
4 DIMM Sockets (1.8V), 256MB - 8GB, Single Channel or
Dual Channel DDR2 800/667/533 SDRAM, unbuffered, no ECC
(For details on recommended RAM, please refer to our website)

Processors
AMD Opteron™ Processors, Athlon™ 64 X2 Processors,
AMD Athlon™ 64 Processors, AMD Sempron™ Processors
Socket AM2, 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

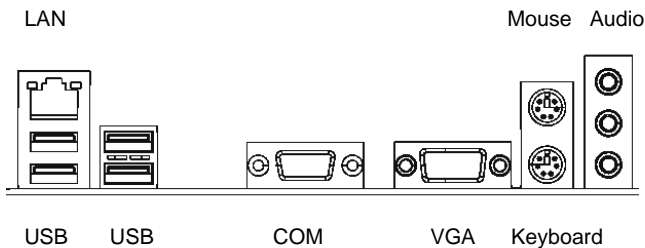**Power Supply Requirements**
for onboard components (worst case)

Source	Voltage	Maximal variation	Mainboard Current (Maximal)
Main Power Supply	+ 12 V	± 5 %	15 A
	- 12 V	± 10 %	0.05 A
	+ 5 V	± 5 %	6.0 A
	+ 3.3 V	± 5 %	2.0 A
Aux. Power Supply	+ 5 V	± 5 %	2A

BIOS
Phoenix TrustedCore BIOS Version V6.00
modified and adapted by Fujitsu Siemens Computers; Recovery BIOS,
SM-BIOS (DMI), BIOS 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 Port Access Protection,
Boot Sector Virus Warning, Write Protection for Flash BIOS

Special Features

Silent Fan LT	Independent temperature related processor fan and system 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

LAN　　　　　　　　　　　　　　　　　　　　Mouse　Audio

USB　　USB　　　　　COM　　　　VGA　Keyboard

Graphics
nVIDIA integrated graphics, shared memory (up to 256MB), DirectX 9
compliant, upgradeable with PCI Express x16 Graphics Card

Audio
Realtek ALC260 (HD Audio), HW 3D Stereo Enhancement, SW
Wavetable Synthesis Support

LAN
nVIDIA integrated 10/100/1000 Ethernet controller

Drives
1 ATA 100 Interface, up to 2 Drives,
4 Serial ATA II 300 Interfaces (up to 3 GBit), up to 4 Drives, RAID 0/1
1 Floppy

Version Features	D2461-C
Chipset	nVidia C51PVG / MCP51
Board Size	µBTX
VGA	ü
Audio / 8-channel / S/PDIF 5.1	ü / - / -
Buzzer / int. Speaker Support	- / ü
LAN Gbit / 100 Mbit / 10 Mbit	ü / ü / ü
LAN ASF / AoL / WoL / Boot	- / - / ü / ü
SATA / ATA / RAID	ü / ü / ü
FireWire™ / USB 2.0	- / ü
FAN monitored PSU*/CPU/AUX1/AUX2	- / - / - / -
FAN controlled PSU*/CPU/AUX1/AUX2	- / ü / ü / -
TEMP monitored CPU/ONB1/ONB2/OFFB	ü / ü / - / -

Special Features

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

Internal Connectors	
DIMM Sockets (DDR400 / DDR2 667)	- / 4
PCI Express x16 Slot for Graphics Card	1
PCI Express x1 Slot	1
PCI Slots (32Bit, 33 MHz, Rev. 2.3)	2
SATA (300) / ATA (133) / Floppy	4 / 1 / 1
S/PDIF (digital Audio) OUT / IN	- / -
Audio Input	-
Frontpanel Audio (9-Pin) AC'97 / 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 Sub D / DVI	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)	-

* Not supported by standard Power Supplies