Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO™ P Series
Your expandable business workhorse

Issue March 2008

Pages 5

Economy

Sophisticated technologies for best in class economy.

Reduce cost of your professional PC by lowest energy consumption! The switched monitor outlet powers the display through the system. Switching off the systems means disconnecting the display, this saves up to ~ 10 % of the display power consumption annually. Additionally, software and BIOS power management solutions reduce the overall average power consumption.

Further Total Cost of Ownership reductions are achieved through a comprehensive set of manageability features, sophisticated security solutions and a service friendly cabinet design.

For highest economy, ESPRIMO professional PCs are designed to increase your productivity and to decrease your cost.

Reliability

- Complete system development and manufacturing by Fujitsu Siemens Computers guarantees highest quality
- Platform stability and product continuity with managed lifecycle up to 18 month and chipset diversity

Environment

- Build with specially selected materials, the ESPRIMO Green PC brings economy and ecology in harmony
- From development to production, from transport to recycling –minimize the impact on the environment and limit the use of unrecoverable resources.
- Certified with the new Energy Star® 4.0 (optional)

Ergonomics

- Sophisticated hardware design with optimized fans and air flow provides most silent system for an efficient working environment
- Best usability and complete quality – service friendly cabinet and easy access to all components

Customizing

- Tailor-made products to meet customer individual requirements
- Freedom of choice with systems which perfectly fit to specific customers

Manageability

- Reduce Total Cost of Ownership with a comprehensive set of system management features
- Easy and remote administration with DeskView client management

Security

- Access and data protection with sophisticated hardware and software components for secure systems
- Protect property – secure hardware and data and limit access with SmartCard Reader

Windows Vista Business

intel vPro

ENERGY STAR

Umweltzeichen weil langlebig und recyclingerecht

BÄSTA BUDGETVAL Mikrodatorn 2006

PC Professionell Empfehlung der Redaktion

Ausgabe 2/07
Esprimo P5915

NORDIC ENVIRONMENTAL LABEL PRINTED MATTER



	P5615	P5616	P5625	P5625 EPA	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
Mainboard								
Chipset	NVIDIA C51PV	NVIDIA C51PV	NVIDIA MCP78PV	NVIDIA MCP78PV	iQ33	iQ33	iQ35 vPRO	iQ35 vPRO
Mainboard Number	D2461-A	D2461-B TPM	D2721	D2721	D2581	D2581	D2584	D2584
Mainboard form factor	µBTX	µBTX	µBTX	µBTX	µBTX	µBTX	µBTX	µBTX
Processor socket	Socket AM2	Socket AM2	Socket AM2+	Socket AM2+	LGA 775	LGA 775	LGA 775	LGA 775
Front side bus resp. system bus support	2000 MHz	2000 MHz	4000MHz	4000MHz	800/1066/ 1333 MHz	800/1066/ 1333 MHz	800/1066/ 1333 MHz	800/1066/ 1333 MHz
BIOS version	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0
Flash EPROM BIOS update by software	x	x	x	x	x	x	x	x
Recovery BIOS	x	x	x	x	x	x	x	x
Processor								
Intel® Core™ 2 Quad Q9xxx	-	-	-	-	-	-	up to Q9450 (04/08)	up to Q9450 (04/08)
Second level cache	-	-	-	-	-	-	6MB/12MB	6MB/12MB
Front side bus (FSB)	-	-	-	-	-	-	1333MHz	1333MHz
Intel® Core™2 Duo E8xxx	-	-	-	-	up to E8500	up to E8500	up to E8500	up to E8500
Second level cache	-	-	-	-	6MB	6MB	6MB	6MB
Front side bus (FSB)	-	-	-	-	1333MHz	1333MHz	1333MHz	1333MHz
Intel® Core™2 Duo E6xxx	-	-	-	-	up to E6850	up to E6850	up to E6850	up to E6850
Second level cache	-	-	-	-	4MB	4MB	4MB	4MB
Front side bus (FSB)	-	-	-	-	1333MHz	1333MHz	1333MHz	1333MHz
Intel® Core™2 Duo E4xxx	-	-	-	-	up to E4600	up to E4600	up to E4600	up to E4600
Second level cache	-	-	-	-	2MB	2MB	2MB	2MB
Front side bus (FSB)	-	-	-	-	800MHz	800MHz	800MHz	800MHz
Intel® Pentium™ Dual core E2xxx	-	-	-	-	up to E2200	up to E2200	up to E2200	up to E2200
Second level cache	-	-	-	-	1MB	1MB	1MB	1MB
Front side bus (FSB)	-	-	-	-	800MHz	800MHz	800MHz	800MHz
Intel® Celeron	-	-	-	-	up to 440	up to 440	up to 440	up to 440
Second level cache	-	-	-	-	512 KB	512 KB	512 KB	512 KB
Front side bus (FSB)	-	-	-	-	800 MHz	800 MHz	800 MHz	800 MHz
Phenom™ X4 Quad core (socket)	-	-	up to 9550 (AM2+)	-	-	-	-	-
L2 cache	-	-	2MB	-	-	-	-	-
L3 cache			2MB					
System Bus support	-	-	3600 MHz	-	-	-	-	-
Phenom™ X3 Triple Core (socket)	-	-	up to 8450 (AM2+)	-	-	-	-	-
L2 cache	-	-	1,5MB	-	-	-	-	-
L3 cache			2MB					
System Bus support	-	-	3200 MHz	-	-	-	-	-
Athlon™ 64 X2 Dual Core (socket)	-	-	up to 5600+ (AM2)	up to 5600+ (AM2)	-	-	-	-
L2 cache	-	-	up to 2MB	up to 2MB	-	-	-	-
L3 cache			-	-				
System Bus support	-	-	2000 MHz	2000 MHz	-	-	-	-
Athlon™ X2 Dual Core (socket) Energy efficient	-	-	4450e (AM2)	4450e (AM2)	-	-	-	-
L2 cache	-	-	1MB	1MB	-	-	-	-
L3 cache			-	-				
System Bus support	-	-	2000 MHz	2000 MHz	-	-	-	-
Athlon™ Single Core (socket) Energy efficient	-	-	LE-1640 (AM2)	LE-1640 (AM2)	-	-	-	-
L2 cache	-	-	512 MB	512 MB	-	-	-	-
L3 cache			-	-				
System Bus support	-	-	2000 MHz	2000 MHz	-	-	-	-
Sempron™ Single Core (socket) Energy efficient	-	-	LE-1250 (AM2)	LE-1250 (AM2)	-	-	-	-
L2 cache	-	-	512 KB	512 KB	-	-	-	-
L3 cache			-	-				
System Bus support	-	-	1600 MHz	1600 MHz	-	-	-	-
AMD Athlon™ 64 X2 (socket)	up to 5200+ (AM2)	up to 5200+ (AM2)	-	-	-	-	-	-
Second level cache	2 x 512 KB	2 x 512 KB	-	-	-	-	-	-
System Bus support	2000 MHz	2000 MHz	-	-	-	-	-	-
AMD Athlon™ 64 (socket)	3800+ (AM2)	3800+ (AM2)	-	-	-	-	-	-
Second level cache	512 KB	512KB	-	-	-	-	-	-
System Bus support	2000 MHz	2000 MHz	-	-	-	-	-	-
AMD Sempron™ (socket)	3600+ (AM2)	3600+ (AM2)	-	-	-	-	-	-
Second level cache	256 KB	256 KB	-	-	-	-	-	-
System Bus support	1600MHz	1600MHz	-	-	-	-	-	-
AMD Athlon™ X2 (socket) Energy efficient	BE-2350 (AM2)	BE-2350 (AM2)			-	-	-	-
Second level cache	2x 512 KB	2x 512 KB			-	-	-	-
System Bus support	2000Mhz	2000Mhz			-	-	-	-
Memory								
Memory support	533/667/800 MHz	533/667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz
DIMM slots	4	4	4	4	4	4	4	4
dual channel support	x	x	x	x	x	x	x	x
Max. capacity DDR2 SDRAM	8GB	8GB	8GB	8GB	8GB	8GB	8GB	8GB
for dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules)								

	P5615	P5616	P5625	P5625 EPA	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
Interfaces								
Mouse/keyboard (PS2)	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x	x	x	x	x	x	x	x
Second serial port	-	-	-	-	-	-	-	-
Parallel (25pin with EPP and ECP)	-	-	optional	optional	optional	optional	optional	optional
Display (15 pin, VGA)	x	x	x	x	x	x	x	x
DVI	optional	optional	optional	optional	optional	optional	optional	optional
Micro (mono) rear	x	x	x	x	x	x	x	x
Line in (stereo) rear	x	x	x	x	x	x	x	x
Line out (stereo) rear	x	x	x	x	x	x	x	x
Micro (stereo) front	x	x	x	x	x	x	x	x
Headphone in front	x	x	x	x	x	x	x	x
LAN RJ45	x	x	x	x	x	x	x	x
Universal Serial Bus (USB 2.0) in total	8	8	10	10	12	12	12	12
therefore USB rear	4	4	6	6	6	6	6	6
USB front	2	2	2	2	2	2	2	2
USB internal	2, optional rear	2, optional rear	2, optional rear	2, optional rear	4, thereof 2x optional rear	4, thereof 2x optional rear	4, thereof 2x optional rear	4, thereof 2x optional rear
Interfaces add on cards/components								
Dual port RS232 , serial	optional	optional	optional	optional	optional	optional	optional	optional
eSATA cable	-	-	optional	optional	optional	optional	optional	optional
Parallel cable (25pin with EPP and ECP)	-	-	optional	optional	optional	optional	optional	optional
Multicardreader	optional	optional	optional	optional	optional	optional	optional	optional
Input device/components								
USB wheel mouse	x	x	-	-	-	-	-	-
Optical USB Tilt wheel mouse	-	-	x	x	x	x	x	x
Optical USB/PS2 Tilt wheel mouse	optional	optional	optional	optional	optional	optional	optional	optional
LAN on board								
10/100/1000 MBit/s	NVIDIA C51PV	NVIDIA C51PV	Broadcom BCM5787	Broadcom BCM5787	Broadcom BCM5754	Broadcom BCM5754	Intel® 82566DM	Intel® 82566DM
Wake up on LAN (WOL)	x	x	x	x	x	x	x	x
PXE	x	x	x	x	x	x	x	x
BootP	tested	tested	tbd	tbd	tested	tested	tested	tested
LAN add on cards								
Gigabit Ethernet, PCI Express x1	-	-	-	-	-	-	-	-
Gigabit Ethernet, PCI, SysKonnect	optional	optional	optional	optional	optional	optional	optional	optional
Audio on board								
Internal speaker supports audio playback	x	x	x	x	x	x	x	x
High definition audio	Realtek ALC 260	Realtek ALC 260	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262
I/O controller onboard								
Fast IDE/Ultra DMA-100 bus master capability	-	-	-	-	-	-	-	-
Serial ATA / thereof eSATA	4 / 0	4 / 0	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
Serial ATA II / 3GBit	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x
Raid 1/0	x	x	x	x	-	-	x	x
Drive bays	6	6	6	6	6	6	6	6
internal 3,5"	2	2	2	2	2	2	2	2
external 3,5"	2	2	2	2	2	2	2	2
external 5,25"	2	2	2	2	2	2	2	2
Floppy disk drive 1.44 MB standard	optional	optional	optional	optional	optional	optional	optional	optional
Hard disk drives								
Serial ATA II 80 / 160 / 250 / 500 GB supporting NCQ and 3GBit (if chipset support is available)	x/x/x/-	x/x/x/-	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x
Optical drives (SATA)								
16/48-speed DVD ROM	optional	optional	optional	optional	optional	optional	optional	optional
DVD SuperMulti writer double layer support	optional	optional	optional	optional	optional	optional	optional	optional
Slots								
PCI	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (190 / 315 mm)	2 (190 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)	2 (170 / 315 mm)
PCI Express x16	1 (250 mm)	1 (250 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)
PCI Express x1	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)	1 (230 mm)
Graphic on board	NVIDIA C51PV (Geforce 6150LE)	NVIDIA C51PV (Geforce 6150LE)	Geforce 8200	Geforce 8200	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100
Shared memory depending on driver	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB
3D SW interface	DirectX 9	DirectX 9	DirectX 10	DirectX 10	DirectX 9	DirectX 9	DirectX 9	DirectX 9
Resolution (color depth up to 32 Bit/pixel)								
1024 x 768 (recommended / max*)	120 / 200 Hz	120 / 200 Hz	120 / 200 Hz	120 / 200 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1280 x 1024 (recommended / max*)	100 / 150 Hz	100 / 150 Hz	100 / 150 Hz	100 / 150 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz
1440 x 900 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x

	P5615	P5616	P5625	P5625 EPA	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
1920 x 1200 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.								
Graphic add on cards								
NVIDIA GeForce 8400 256 MB, LP (DirectX 10)	-	-	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 128MB, LP (DirectX 9)	-	-	-	-	-	-	-	-
NVIDIA GeForce FX 7300LE 256MB, LP (DirectX 9)	-	-	-	-	-	-	-	-
NVIDIA Quadro NVS 290 256MB, LP (DirectX10)	-	-	-	-	-	-	-	-
NVIDIA GeForce FX 7300LE 128MB (DirectX 9)	optional	optional	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 256MB (DirectX 9)	optional	optional	optional	optional	optional	optional	optional	optional
NVIDIA Quadro NVS 290 256MB (DirectX10)	-	-	optional	optional	optional	optional	optional	optional
DVI adapter incl. Dual Monitoring (DVI/VGA)	optional	optional	optional	optional	optional	optional	optional	optional
Dual-DVI adapter incl. Dual Monitoring (DVI/DVI)	-	-	-	-	optional	optional	optional	optional
Electrical values				80+ PSU		80+ PSU		80+ PSU
Rated voltage range, AC	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 240 V	100 - 127 / 200 - 240 V	100 - 240 V	100 - 127 / 200 - 240 V	100 - 240 V
Rated frequency range	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Operating voltage range, AC	90 - 137 / 180 - 264 V	90 - 137 / 180 - 264 V	90 - 137 / 180 - 264 V	90 - 264 V	90 - 137 / 180 - 264 V	90 - 264 V	90 - 137 / 180 - 264 V	90 - 264 V
Operating line frequency range	47-63 Hz	47-63 Hz	47-63 Hz	47 - 63 Hz	47-63 Hz	47 - 63 Hz	47-63 Hz	47 - 63 Hz
Max. output of power supply	260 W	260 W	260 W	300 W	260 W	300 W	260 W	300 W
PFC (power factor correction)	passive	passive	passive	active	passive	active	passive	active
Monitor outlet	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched
Power consumption for standard configuration (W) / CPU (1GB memory, HD, ODD, FDD, Operating system) in Watt	Athlon 64 X2 4200+	Athlon 64 X2 4200+	tbd	tbd	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850
Maximum (S0, running app. CD in use)	107W	107W	tbd	tbd	71W / 102W	62W / 95W	72W / 101W	65W / 96W
Average (S0, running OS, Idle mode)	50W	50W	tbd	tbd	50W /52W	42W /44W	48W / 51W	41W / 45W
Stand by (S3, energy saving modus, WOL enabled)	2,9W	2,9W	tbd	tbd	1,7W	1,7W	1,8W	1,8W
Minimum (ACPI status S5, soft off, **WOL enabled**)	1,9W	1,9W	tbd	tbd	1,5W	1,5W	1,6W	1,6W
Minimum (ACPI status S5, soft off, **wake up power button only)**	1,6W	1,6W	tbd	tbd	-	-	-	-
Heat dissipation (kJ/h / BTU/h) / CPU	Athlon 64 X2 4200+	Athlon 64 X2 4200+	tbd	tbd	E6850	E6850	E6850	E6850
Maximum (S0, running app. CD in use)	385 kJ/h / 365 BTU/h	385 kJ/h / 365 BTU/h	tbd	tbd	367 kJ/h / 348 BTU/h	342 kJ/h / 324 BTU/h	364 kJ/h / 345 BTU/h	346 kJ/h / 328 BTU/h
Average (S0, running OS, Idle mode)	180 kJ/h / 171 BTU/h	180 kJ/h / 171 BTU/h	tbd	tbd	187 kJ/h / 177 BTU/h	158 kJ/h / 150 BTU/h	184 kJ/h / 174 BTU/h	162 kJ/h / 154 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	10,5 kJ/h / 9,9 BTU/h	10,5 kJ/h / 9,9 BTU/h	tbd	tbd	6,1 kJ/h / 5,8 BTU/h	6,1 kJ/h / 5,8 BTU/h	6,5 kJ/h / 6,1 BTU/h	6,5 kJ/h / 6,1 BTU/h
Minimum (ACPI status S5, soft off, **WOL enabled**)	6,9 kJ/h / 6,5 BTU/h	6,9 kJ/h / 6,5 BTU/h	tbd	tbd	5,4 kJ/h / 5,1 BTU/h	5,4 kJ/h / 5,1 BTU/h	5,8 kJ/h / 5,5 BTU/h	5,8 kJ/h / 5,5 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h								
Noise for standard configuration (HDD, ODD, FDD)	Athlon 64 X2 4200+	Athlon 64 X2 4200+	Phenom 9600	Phenom 9600	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850
A weighted sound **power level Lwad** (in B) / Workplace related A-weighted sound **pressure level LpAm** (in dB(A)), (bystander position) (ISO9296)								
Operation mode 1: ODD load (Blue angel requirement)	4,4B / 29dB	4,4B / 29dB	5,1B / 36dB	5,1B / 36dB	5,0B / 35dB	5,0B / 35dB	4,8B / 34dB ; 4,8B / 33dB	4,8B / 34dB ; 4,8B / 33dB
Operation mode 2: HDD load (Blue angel requirement)	3,7B / 22dB	3,7B / 22dB	3,6B / 19dB	3,6B / 19dB	3,7B / 21dB	3,7B / 21dB	3,5B / 18dB	3,5B / 18dB
Operation mode 3: CPU 90% load (Blue angel requirement)	3,6B / 21dB	3,6B / 21dB	3,8B / 23dB	3,8B / 23dB	3,6B / 19dB ; 3,7B / 22dB	3,6B / 19dB ; 3,7B / 22dB	3,4B / 17dB	3,4B / 17dB
Operation mode 4: High load	3,7B / 22dB	3,7B / 22dB	3,8B / 23dB	3,8B / 23dB	3,7B / 21dB ; 3,8B / 23dB	3,7B / 21dB ; 3,8B / 23dB	3,5B / 19dB ; 3,5B / 18dB	3,5B / 19dB ; 3,5B / 18dB
Operation mode 5: Office applications	3,7B / 22dB	3,7B / 22dB	3,6B / 20dB	3,6B / 20dB	3,7B / 21dB ; 3,8B / 22dB	3,7B / 21dB ; 3,8B / 22dB	3,5B / 18dB	3,5B / 18dB
Idle mode (Blue angel requirement)	3,6B / 21dB	3,6B / 21dB	3,5B / 19dB	3,5B / 19dB	3,5B / 19dB ; 3,6B / 21dB	3,5B / 19dB ; 3,6B / 21dB	3,4B / 18dB ; 3,4B / 17dB	3,4B / 18dB ; 3,4B / 17dB
Ambient temperature (IEC 721)	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C
Dimensions	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm	390 x 203 x 392 mm
Operating position (vertical/horizontal)	x /-	x /-	x /-	x /-	x /-	x /-	x /-	x /-
Weight (depending on config)	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg	approx. 12 kg
Approvals and standards								
CE certification	x	x	x	x	x	x	x	x

	P5615	P5616	P5625	P5625 EPA	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
according to EU Directives 89/336/EEC (EMC) and 06/95/EC (Product safety)								
Ergonomics	x	x	x	x	x	x	x	x
ISO9241 (GS mark)								
Product safety	x	x	x	x	x	x	x	x
IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950								
Electromagn. compatibility	x	x	x	x	x	x	x	x
EN55022/B, FCC class B, EN55024, EN61000-3-2/3								
Environmental compatibility								
RoHS (Restriction of hazardous substances)	x	x	x	x	x	x	x	x
WEEE (Waste electrical and electronical equipment)	x	x	x	x	x	x	x	x
Energy Star	-	-	-	x (4.0)	-	x (v.4.0)	-	x (v.4.0)
Blue Angel 2007	x	x	tbd	tbd	x	x	x	x
Nordic Swan	x	x	tbd	tbd	x	x	x	x
Med certification according to EN60950 and EN60601-1-	-	-	-	-	-	-	-	x
Software (compatibility / preinstalled)								
Microsoft Windows 2000	x / -	x / -	- / -	- / -	for projects	for projects	for projects	for projects
Microsoft Windows XP Home	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -
Microsoft Windows XP Professional	x / optional	x / optional	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)
Microsoft Windows XP Professional x64 Edition	x / -	x / -	x / -	x / -	x / -	x / -	x / -	x / -
Microsoft Windows Vista® 32bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® 64bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	x	x	x	x	x	x	x	x
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x	x	x	x	x	x	x	x
Linux certified	-	-	tbd	tbd	Novell SLED10	Novell SLED10	Novell SLED10	Novell SLED10
Additional Software								
Recovery DVD (Microsoft Windows XP / Vista)	x / optional	x / optional	- / optional	- / optional	optional	optional	optional	optional
Drivers and Utility DVD (DUDVD) (Microsoft Windows XP / Vista)	x / optional	x / optional	optional	optional	x / optional	x / optional	x / optional	x / optional
XONTROL (noise reduction for optical drives)	x	x	x	x	x	x	x	x
Others								
Thermal Management	x	x	x	x	x	x	x	x
Keyboard on (Fujitsu Siemens Computers keyboard required)	x	x	x	x	x	x	x	x
Spare part availability	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Compatibility (references)								
Microsoft Operating Systems (HCT / HCL entry)	x	x	x	x	x	x	x	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0	x	x	x	x	x	x	x	x
Manageability								
ASF 2.0 (Alert Standard Format)	-	-	x	x	x	x	x	x
iAMT Intel Active Manageability Technology (not activated, not provisioned, for Win XP Prof and Vista Business only)	-	-	-	-	-	-	x (v. 3.0)	x (v. 3.0)
DeskView 10.x client management including:								
On/Offline remote client management	x	x	x	x	x	x	x	x
Detailed system inventory management and reports	x	x	x	x	x	x	x	x
BIOS Management	x	x	x	x	x	x	x	x
Remote power management	x	x	x	x	x	x	x	x
System notifications	x	x	x	x	x	x	x	x
Advanced alerts (ASF implementation)	-	-	-	-	x	x	x	x
Security Remote Control	x	x	x	x	x	x	x	x
DeskView Helpdesk Integration	x	x	x	x	x	x	x	x
DeskUpdate Driver management	x	x	x	x	x	x	x	x
DeskView Migrate	optional	optional	optional	optional	optional	optional	optional	optional
DeskView Control	optional	optional	optional	optional	optional	optional	optional	optional
PXE 2.1 Boot code	x	x	x	x	x	x	x	x
BootP Boot Code including Bootmanage Administrator Software	tested	tested	tested	tested	tested	tested	tested	tested
Wake up from S5 (off mode)	x	x	x	x	x	x	x	x
Intrusion switch	optional	optional	optional	optional	optional	optional	optional	optional
Security								
Physical Security implemented in the cabinet								
Prepared for Kensington lock, eye for padlock	x	x	x	x	x	x	x	x

	P5615	P5616	P5625	P5625 EPA	P5720	P5720, EPA	P5925 vPro	P5925 vPro, EPA
Integrated cabinet lock	optional	optional	optional	optional	optional	optional	optional	optional
System Security								
Boot sector virus protection	x	x	x	x	x	x	x	x
Write protect option for the Flash EPROM	x	x	x	x	x	x	x	x
Embedded security (TPM1.2)	-	Infineon	Infineon	Infineon	Infineon	Infineon	Infineon	Infineon
Control of all USB interfaces / external USB interfaces detachable separately	x / -	x / -	x / -	x / -	x / x	x / x	x / x	x / x
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x	x	x	x	x	x	x	x
Control of external interfaces	x	x	x	x	x	x	x	x
User Security								
User and supervisor BIOS password	x	x	x	x	x	x	x	x
SystemLock 2 BIOS SmartCard Security	x	x	x	x	x	x	x	x
Hard disk password	x	x	x	x	x	x	x	x
Access protection via external SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional
Access protection via internal SmartCard reader	optional	optional	optional	optional	optional	optional	optional	optional
Serviceability								
FlexySlot	x	x	x	x	x	x	x	x
EasyFix	x	x	x	x	x	x	x	x
EasyChange (for HDD / for optical drives)	x / x	x / x	x / x	x / x	x / x	x / x	x / x	x / x
EasyPull	x	x	x	x	x	x	x	x
Packaging information								
Dimension outside (H x W x D) in mm	500x290x540	500x290x540	500x290x540	500x290x540	500x290x540	500x290x540	500x290x540	500x290x540
Max. quantity/ pallet	24	24	24	24	24	24	24	24
Material/ weight in g								
Carton	1270g	1270g	1270g	1270g	1270g	1270g	1270g	1270g
EPS / PS	210g	210g	210g	210g	210g	210g	210g	210g
PE	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g
printed user documentation is bleached in chlorine free process								
Logos				ENERGY STAR		ENERGY STAR		ENERGY STAR

Recycling information/ End of life service information
product is designed for easy recyclability
information about take back and recycling can be found here
http://www.fujitsu-siemens.com/recycling
information about environmental initiatives, policies, programs and goals can be found here
http://www.fujitsu-siemens.com/aboutus
Product material information
for all restricted substances see the Environmental guideline FSC03230
The data reflects laboratory performance only. The customer configuration may perform differently, depending on the software, components and peripherals connected.

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