

## SCENIC® P Series Your everyday business performer

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You are looking for a reliable computer that promises a good deal of performance – and a good deal on the price? You do not need to look any further. The SCENIC P microtower gives you first class technology and great value for money.

Working with the SCENIC P Series is stress-free: it is ergonomic, silent and reliable. It is easy to administer and secure. In short, this highly reliable PC is particularly tailor-made to your business demands.

Fujitsu Siemens Computers offers the SCENIC P especially for small and medium enterprises.

### Tailor-made

- Fully configurable: processor, memory, drives, boards
- Your individual choice of hardware, software and design

### Reliability

- Virtual multi-processing with Hyper-Threading technology
- Best-in-class manufacturing winning the Industrial Intelligence Award 2003 and the Ken Sharma Award 2002
- High quality and function stability made in Germany through own development and manufacturing
- Short reaction and transportation time
- Stable system with smooth combination of mainboard and cabinet
- Your choice of supply concept for in-time and tailored delivery: value4you, made4you
- Warranty, service and spare part supply according to your needs

### Manageability

- Easy and remote administration with DeskView client management
- ManageIT: software suites with best integration into your IT environment optionally available

### Security

- Easy and secure access and data protection for your business intelligence
- SecureIT: software suite with best integration into your IT environment

### Ergonomics

- Reduce downtime with service-friendly cabinet and easy component access
- Stress-free working and silent operation due to low sound level
- Enhance productivity with EasyChange: tool less access to hard disk
- Enhanced flexibility with FlexySlots: Low profile and standard PCI-Express, PCI and AGP cards useable in flexible extension slots
- Excellent resolution and video quality with on board graphics
- Convenient front access to USB and audio as option
- Internal speaker to play audio files
- Blue Angel certification due to low energy consumption and recyclability



## Unique SCENIC features

### Tailor-made

- made4you customizing using standard manufacturing and logistics processes

### Reliability

- Power supply designed according to strong Fujitsu Siemens Computers quality standards

### Manageability

- Client management with DeskView:
  - DeskView 10.x as option
  - DeskView 5.x local support included, remote functionality as option
- Disaster recovery with Recover Pro as option
- Thermal management (temperature-controlled) temperature regulation for SCENIC P320

### Security

- External SmartCard reader / writer as option
- F-Secure virus scanner with one-year upgradeability for signature files

### Convenience / Ergonomics

- USB / Audio connectors in front panel as option
- Kontrol™: Reduces vibration noise of optical drives
- Internal speaker to play audio files
- SafeStandby: In standby mode (Save to RAM mode), data is additionally stored on hard disk; no data loss in case of power loss

### Serviceability

- EasyChange:
  - Tool less access to hard disk drives
- FlexySlots:
  - Low profile and standard PCI / AGP / PCI-Express cards useable in flexible extension slots



## Environmentally conscious development including product concept, design, material and manufacturing

### Development

- Construction guidelines (FSC 03230) for products in respect to environmental sustainability

### Production

- Special solder technology
  - Soldering in N2 atmosphere
  - Water based flux
- Reduced water consumption:
  - No washing of board after soldering
  - Washing of production equipment in a closed loop
- Production certified to ISO14001 – the international standard for environmental management systems

### Material

- Halogen free cabinet plastic parts
- Halogen free plastic form parts

### Ergonomics

- Low sound level fulfilling Blue Angel requirements
- Silent system due to fan regulation with thermal management
- Power saving with ACPI and IA-PC (Instantly available PC)

### Transportation

- Reusable transport packaging and recycling of packaging avoids waste
- Bulk packaging of PC for Large Accounts (no single packaging per system)
- Retraction of transport packaging

### Recycling

Returned old systems are recycled properly: For detailed information about recycling please have a look at: <http://www.fujitsu-siemens.com/recycling>

## Software Suites

### Manage IT Suite Migration

- Increase efficiency of software and operating system deployment, manage software patches and migrate user settings with Altiris software solutions

### Manage IT Suite Controlling<sup>1)</sup>

- Enhance your multivendor hard- and software inventory, manage the use of application software licenses effectively and support your end user remotely with software solutions from Altiris

### SecureIT Suite<sup>2)</sup>

- SmartCard
- SICRYPT SMARTY: Windows access protection with SmartCard
- SmartCase™: Simple and secure password storage, file encryption for data protection
- E-Mail encryption with SmartCard<sup>3)</sup>

1) Manage IT Suite Migration mandatory

2) SmartCard reader / writer mandatory

3) Uses native support from Microsoft Windows operating systems

### Memory module configuration

- Intel 865G chipset:** For dual channel performance a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same. Modules in channels have to be identical.
- Intel 915G chipset:** For dual channel performance a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same

SCENIC	P320 SiS661 +	P320 i915G
Microsoft Windows XP Professional	preinstalled	preinstalled
Chipset	SiS661+	Intel 915G Express
Micro-ATX Mainboard	D1961	D1931
<b>Microprocessor</b>		
Intel Celeron D Processor	Up to 335	Up to 335
Front Side Bus (MHz)	533	533
Intel Pentium 4 Processor with HT technology	Up to 550	Up to 550
Front Side Bus (MHz)	800	800
Intel Pentium 4 Processor with HT technology	Up to 640	Up to 640
Front Side Bus (MHz)	800	800
<b>Second-level cache</b> integrated (KB) on die	256 or 1024 or 2048	256 or 1024 or 2048
<b>Processor socket</b>	LGA775	LGA775
<b>System memory</b>		
Max. DDR SDRAM (GB), DDR400	2	4 <sup>2,5)</sup>
<b>DIMM slots</b>	2	4
<b>Flash-EPROM</b> BIOS update by software	x	x
<b>Interfaces</b> (see also page 3)		
2nd serial interface	-	-
Universal Serial Bus (2.0, in total)	8	8
of these rear (integrated in I/O shield)	4	4
of them rear	2x optional	2x optional
of these in front with audio	2 x optional	2x optional
<b>I/O controller</b>		
Fast IDE/Ultra DMA-100 busmaster capability	for 2 x 2 drives	for 1 x 2 drives
Serial ATA for 2 drives	For 2 drives	for 2 drives
Raid 0/1	X <sup>6)</sup>	-
<b>LAN</b>		
On board, Fast Ethernet with PXE bootcode, BootP bootcode on request (license compulsory), Wake-on-LAN	ADMtek AN983B	Broadcom BCM5751
10/100 Mbit/s	x	-
10/100/1000 Mbit/s	-	x
WLAN module 802.11 b/g via internal USB	optional	optional
<b>Audio on board</b> AC'97	Realtek ALC655	AD1986
<b>Graphics</b>		
Integrated in chipset	x	x
Shared memory	32 MB or 64 MB	Up to 128 MB
Plugged in AGP 8 x slot	optional	-
Plugged in PCI Express x16 slot	-	optional
<b>Graphics subsystem</b>		
nVIDIA Georce 5200 FX, 64 MB	Optional	-
nVIDIA GeForce 6200 TC, 128 MB	-	optional
DVI extension adapter	Optional, dual monitoring	optional, dual Monitoring
<b>Hard disk drive</b>		
Serial ATA 40 / 80 / 160 GB <sup>5)</sup>	optional	optional
<b>Slots (230 mm / one PCI 312 mm)</b>		
PCI (of these FlexySlots)	3 (1)	2 (1)
PCI Express x1	-	1
AGP 8x (of these FlexySlots)	1 (1)	-
PCI Express x16	-	1 (1)
<b>Electrical values</b>		
Max. output of power supply	260 W	260 W
Display-outlet	No	No
Peak (running application, CD in use)	170 W	173 W
Average (running OS, Idle mode)	81 W	82 W
Minimum (ACPI status S5, soft-off)	2 W	2,2 W

1) for dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same

2) dual channel, delivery in pairs,

3) 4GB address space thereof, max. 3.5GB DDR 400 usable for physical main memory

4) 4GB address space thereof, max. 3GB DDR 400 usable for physical main memory.

5) 1 Gbyte equals one billion bytes, when referring to hard disk drive capacity; accessible capacity may vary, also depending on used software and tools

6) 2 SATA drives with equal capacity necessary. Floppy Disk drive needed.

Raid can not be used with Recover Pro. Raid can not be used with multilingual versions

System details	P320 SiS661FX +	P320 i915G
<b>Noise for standard configuration</b>		
A weighted sound power level LWAd / Workplace related A-weighted sound pressure level LpAm (bystander positions) (ISO9296)		
LWAd in B / LpAm in dB (Idle mode)	3.8 / 24	3,8 / 24
LWAd in B / LpAm in dB (Operation, HDD)	4.5 / 31	4,5 / 31
<b>Driver support available</b>		
Microsoft Windows 2000 / Windows XP	On DUCD / Internet	On DUCD / Internet
Windows NT 4.0	On DUCD / Internet only PATA configuration	Limited support on request
Windows 98	-	-

**Operating Systems / Software**

Microsoft Windows XP Professional	preinstalled
Microsoft Windows XP Home	preinstalled
Microsoft Office 2003 Basic	for special languages
Microsoft Office 2003 SBE	for special languages
Drivers and Utility CD (DUCD)	included
Desktop Management DeskView	on DUCD
F-Secure virus scanner	on DUCD
ManageIT Suites	optional
SecureIT Suite	optional

**Fujitsu Siemens Computers recommends Microsoft® Windows® XP Professional for business.**

**Interfaces**

- 1 x serial (9-pin, 16-byte FIFO, 16550-compatible)
- 1 x parallel (25-pin, with EPP and ECP)
- 1 x keyboard (PS/2), 1 x mouse (PS/2)
- 1 x monitor (15-pin, VGA)
- 1 x micro (mono), 1 x line in (stereo), 1 x line out (stereo, 1 Watt)
- 1 x LAN RJ-45

**Graphics recommended refresh rates (Hz)**

(color depth up to 32 Bit / pixel)

Resolution	SIS	915G	GeForce FX
800x600	120	120	120
1024x768	120	120	120
1152x864	-	100	120
1280x1024	85	100	100
1600x1200	75	85	85

**Floppy disk drive**

optional, 3.5-inch, 1.44 MB

**DVD / CD drive optional**

- 48-speed ATAPI CD-ROM
- 16/48-speed ATAPI DVD-ROM
- 48/24/48/16-speed ATAPI CD-RW / DVD-ROM
- 4/8/16/32/12/ 40-speed ATAPI DVD+R / + RW
- Multiformat DVD writer with double layer support

**Drive bays**

	5
external	1 x 3.5-inch, 2 x 5.25-inch
internal	2 x 3.5-inch

**Electrical values**

Rated voltage	100 - 127 / 200 - 240 V
Rated frequency	50 - 60 Hz

**Temperature / dimensions / weight**

Ambient temperature	15°C - 35°C (IEC 721)
Dimensions (H x W x D)	372 x 202 x 376 mm
Weight	approx. 11 kg (dep. on config.)

**Product safety / EMC / Environment / Approvals:**

CE certification	according to EU Directives 89/336/EEC (EMC) and 73/23/EEC (Product safety)
Ergonomics	ISO9241 (GS mark)

**Compliance with standards**

Product safety	IEC60950, EN60950, UL 60950, CSA22.2 No.60950
Electromagn. compatibility	EN55022/B, FCC class B EN55024, EN61000-3-2/3
Environmental compatibility	Energy Star

**Compatibility (references)**

Microsoft Operating Systems (HCT / HCL entry)  
PC 2001, DMI 2.0, WMI 1.5, USB 2.0, Hyper-Threading

**Client management**

DeskView management software on CD and downloadable:  
Inventory management, monitoring of all main functions, BIOS management

**Security functions**

- Security functions implemented in the cabinet:
- Prepared for Kensington lock for access and theft protection
  - Eye for padlock for access and theft protection
  - Seal option
  - Access protection via external SmartCard reader (option)
- Security function implemented in the BIOS:
- Write protect option for the Flash EPROM
  - Passwords for system, setup and hard disk drive
  - Enable / disable interfaces incl. USB
  - Boot and write protection for floppy disk and CD drive
- Virus protection in BIOS

**Intel Processor feature set reference table**

Intel Celeron Processor	Socket	Clock Speed (GHz)	Front side Bus (MHz)	L2 Cache (KB)	HT	EIST	EM64T	XD
D330	LGA 775	2.66	533	256	-	-	-	x
D335	LGA 775	2.8	533	256	-	-	-	x
<b>Intel Pentium 4 Processor</b>								
550	LGA 775	3.40	800	1024	x	-	-	X
540	LGA 775	3.20	800	1024	x	-	-	X
530	LGA 775	3.00	800	1024	x	-	-	X
520	LGA 775	2.80	800	1024	x	-	-	X
630	LGA 775	3.00	800	2048	X	X	X	X
640	LGA 775	3.20	800	2048	x	x	X	X