

# Data Sheet

We make sure

**FUJITSU** COMPUTERS  
**SIEMENS**

## SCENIC® E620 Green PC Small desktop

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The SCENIC E Series is built with specially selected material to minimize impact on the environment. Production and selection of material is optimized to the aspect of environmental sustainability. Development, production, transportation and recycling are aligned to strong internal environmental directives. Working with the small desktop SCENIC E Series is convenient. It is ergonomic, silent and reliable. It is easy to administer and secure.

The SCENIC E 620 is a highly reliable premium PC, tailor-made to your business demands.

### 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

- Product and manufacturing concept to minimize the impact on the environment
- Reduce downtime with service-friendly cabinet and easy component access
- Stress-free working and silent operation due to low sound level
- Flexible use of external bay fitting your requirements as optical or hard disk drive
- Enhance productivity with EasyChange and EasyFix: tool less access to hard disk drive, optical drive, cards
- Enhanced flexibility with FlexySlots: Low profile and standard PCI cards useable in flexible extension slots
- Excellent resolution and video quality with on board graphics
- Convenient front access to USB and audio
- Internal speaker to play audio files
- Blue Angel certification due to low energy consumption and recyclability
- Flexible usage as tower or desktop to your convenience (optional)



INNOVATION  
DES JAHRES  
2003/2004  
FUJITSU SIEMENS  
COMPUTERS  
Scenic E Green PC



## Unique SCENIC features

### Reliability

- Wide range power supply
- Power supply monitoring: Control work load of power supply
- Power supply with switched monitor outlet
- System monitoring: Controlling the systems health, e.g. status of battery and fan, hard disk status and temperature

### Manageability

- Client management with DeskView 10.x included
- Client management local and remote with DeskView 5.x included
- Disaster recovery with Recover Pro as option
- Thermal management (temperature-regulated)
- Intrusion detection switch
- Alert on LAN with heartbeat

### Security

- Integrated cabinet lock in front panel
- External SmartCard reader / writer as option
- Internal SmartCard reader / writer as option
- System Lock incl. hard disk password support
- Alert on LAN with heartbeat
- F-Secure virus scanner with one-year upgradeability for signature files
- Ready for TPM

## Environmental sustainable 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
  - Lead free soldering
- 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

### Recycling

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

### Transportation

- Bulk delivery, 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

## 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>3)</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

### Convenience / Ergonomics

- On / off via appropriate keyboard
- USB / Audio connectors in front panel
- Xontrol™: Reduces CD vibration noise
- Internal speaker to play audio files
- SafeStandby:  
In 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 and external 5.25 inch drives
- EasyFix:  
Tool less access and fixing of add-on cards  
Fixing with screws also possible
- FlexySlots:  
Low profile and standard PCI cards useable in flexible extension slots

### Tailor-made

- made4you customizing using standard manufacturing and logistics processes



### Ergonomics

- Low sound level fulfilling Blue Angel requirements
- Silent system due to fan regulation with thermal management
- Silent systems with fan speed control (patented)
- Energy saving through switched monitor outlet: automatic shut down of monitor when PC is shut down
- Power saving with ACPI and IA-PC (Instantly available PC)

### Material

- Lead free printed circuit boards and soldering process for Fujitsu Siemens Computers mainboard and risercard
- Reduction of lead content per mainboard from 12 g to less than 3 g for components and chipsets
- Reduction of halogens for mainboard and risercard; reduction of chlorides and bromine content from 12 % to under 0.15 % corresponding to global standard JPCA-ES-OA-1999
- Halogen free cabinet plastic parts
- Halogen free plastic form parts

<sup>3)</sup> Manage IT Suite Migration mandatory

1) SmartCard reader / writer mandatory

2) uses native support from Microsoft Windows operating systems

### SecureIT Suite<sup>1)</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>2)</sup>
- SystemLock with SmartCard: Pre-boot access protection

**Operating Systems / Software**

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

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

**Mainboard D1844 with**

Microprocessor (GHz)	Intel Celeron D 335 Intel Pentium 4 520, 530, 540, 550
Processor Socket	LGA775
Chipset	Intel 915G Express
System memory (GB)	up to 4 <sup>4)</sup> , DDR2 400 <sup>2)</sup>
DIMM slots	4
Flash EPROM	BIOS update by software
System management	ASIC on board

**Interfaces**

2 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) in front
1 x headphone in front
1 x headphone out (stereo, 1 W) rear
1 x line in (stereo) rear
1 x LAN RJ-45
8 x Universal Serial Bus (USB 2.0, in total)
4 of them rear, 2 of them internal, 2 of them in front

**I/O controller**

Fast IDE / Ultra DMA-100 busmaster capability for 1 x 2 drives Serial ATA for 2 drives

**LAN**

Broadcom BCM5751 on board (10/100/1000 MB/s), Wake-on-LAN, ASF 2.0 with PXE BootP bootcode flashable from DUCD as option Creatix WLAN CTX405 802.11b/g as option

**Audio on board**

AC'97 AD1986

**Graphics processor**

on board with shared memory up to 128 MB depending on chipset and driver or plugged in PCI Express 16x slot as option

**Graphics subsystem low profile**

DVI extension adapter

**Recommended refresh rates (Hz)**

color depth up to 32 Bit /pixel

Resolution	915G
800 x 600	120
1024 x 768	120
1152 x 864	100
1280 x 1024	100
1600 x 1200	85

**Floppy disk drive**

slimline, optional  
3.5-inch, 1.44 MB

**Hard disk drive**

optional, Serial ATA

Formatted capacity 40 / 80 / 160 GB<sup>3)</sup> (7200 rpm)

**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

**Slots** 2 x PCI (174 mm)  
1 x PCI Express x16 low profile

**Drive bays**

3

external 1 x 3.5-inch slimline

1 x 5.25-inch

internal 1 x 3.5-inch

2 x 3.5-inch internal and

1 x 3.5-inch external

**Electrical values**

Rated voltage 100 – 240 V

Rated frequency 50 - 60 Hz

Max. output of power supply 270 W

**Power consumption for standard configurations**

Peak (running application, CD in use) 197 W

Average (running OS, Idle mode) 92 W

Minimum (ACPI status S5, soft-off) 2,3 W

1) with or without Hyper-Threading technology

2) for dual channel performance, a minimum of 2 memory modules have to be ordered.

Capacity per channel has to be the same

3) 1 Gbyte equals one billion bytes, when referring to hard disk drive capacity; accessible capacity may vary, also depending on used software and tools

4) 4GB address space thereof, max. 3,0 GB DDR2 400 usable for physical main memory.

**Intel Processor feature set reference table**

Intel Celeron Processor	Socket	Clock Speed (GHz)	Front side Bus (MHz)	L2 Cache (KB)	Technology
D 325	LGA 775	2.53	533	256	
D330	LGA 775	2.66	533	256	
D335	LGA 775	2.8	533	256	
Intel Pentium 4 Processor					
550	LGA 775	3.40	800	1024	HT
540	LGA 775	3.20	800	1024	HT
530	LGA 775	3.00	800	1024	HT
520	LGA 775	2.80	800	1024	HT

**Memory module configuration Intel 915 chipset (Example)**

Channel 1		Channel 2		Dual Channel	Total Capacity
256 MB		256 MB		X	512 MB
256 MB	256 MB	512 MB		X	1024 MB
256 MB	512 MB	256 MB		--	1024 MB

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**Temperature / noise / dimensions / weight for standard configuration**

Ambient temperature	15°C - 35°C (IEC 721)
A weighted sound power level L <sub>WA</sub> d /	
Workplace related A-weighted sound pressure level L <sub>pAm</sub> (bystander positions) (ISO9296)	
L <sub>WA</sub> d in B / L <sub>pAm</sub> in dB (Stand by)	3,7 / 21
L <sub>WA</sub> d in B / L <sub>pAm</sub> in dB (Idle mode)	3,7 / 21
L <sub>WA</sub> d in B / L <sub>pAm</sub> in dB (Operation, HDD)	4,5 / 29
Dimensions (H x W x D)	95 x 350 x 383 mm
Weight	9,5 kg (dep.on config.)

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**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)

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**Compliance with standards**

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

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**Client management**

DeskView management software on CD and downloadable:  
Inventory management, monitoring of all main functions,  
BIOS management. Integration in management software over  
WMI 1.5, DMI 2.0 and SNMP.

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**Security functions**

Security functions implemented in the cabinet:

- Mechanical case lock
- Intrusion detection
- Prepared for Kensington lock for access and theft protection
- Eye for padlock for access and theft protection
- Seal option
- Access protection via SmartCard reader as option

Security function implemented in the BIOS:

- Boot protection with SmartCard optional
- 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

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**Compatibility (references)**

Microsoft operating systems (HCT / HCL entry)

DMI 2.0, WMI 1.5, USB 2.0

Drivers for Microsoft Windows 2000 and Windows XP systems can be found on DUCD are downloadable from

<http://www.fujitsu-siemens.com>

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