

SCENIC[®] W Series Multi-expandable tower



You won't get to the limits of the SCENIC W Series. The tower cabinet lets enough room for extension, which makes the SCENIC W suitable to your needs. It is flexible to future challenges and can be easily adapted to new requirements.

Working with the SCENIC W 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.

The SCENIC W Series fits perfectly into both networks- small and medium sized and large 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 suite with best integration into your IT environment

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 and EasyFix: tool less access to hard disk, optical drive, cards
- High flexibility with FlexyBays: flexible use of 5.25 bays as 3.5 bays
- 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 as option
- Internal speaker to play audio files
- Certified with the Blue Angel due to low energy consumption and recyclability

Unique SCENIC features

Reliability

- 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 (ASF)

Security

- Integrated cabinet lock in front panel
- External SmartCard reader / writer as option
- Internal SmartCard reader / writer as option (PowerOn)
- System Lock incl. hard disk password support
- Alert on LAN with heartbeat (ASF)
- F-Secure virus scanner with one-year upgradeability for signature files
- Unused 5,25 inch bays are locked to prevent access to the system via 5,25 inch bays

Convenience / Ergonomics

- On / off via appropriate keyboard
- Status LCD display
- Xontrol™: Reduces CD vibration noise
- USB or USB / Audio connectors in front panel as option
- 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 from the side
- EasyFix:
Tool less access and fixing of add-on cards; fixing with screws also possible
- FlexySlots:
Low profile and standard PCI / AGP cards useable in flexible extension slots

Tailor-made

- FlexyBays:
Flexible use of 5.25 bays as 3.5 bays
- made4you customizing using standard manufacturing and logistics processes
- Green PC with Intel 915G Express chipset



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
- 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

- Lead free printed circuit board (PCB)⁴⁾
- Lead free soldering process for mainboard⁴⁾
- Reduction of lead content per mainboard from 12 g to less than 3 g for components and chipsets⁴⁾
- Reduction of halogens for PCB (reduction of chlorides and bromine content from 12 % to under 0.15 % corresponding to global standard JPCA-ES-OA-1999)⁴⁾
- 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
- Silent systems and power saving through frequency reduction, if the processor is not working at full capacity
- 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)

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

Recycling

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

4) Intel 915G Express based mainboards only

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 Controlling³⁾

- 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 Suite¹⁾

- SmartCard
- SICRYPT SMARTY: Windows access protection with SmartCard
- SmartCase™: Simple and secure password storage, file encryption for data protection
- E-Mail encryption with SmartCard²⁾
- SystemLock with SmartCard: Pre-boot access protection

1) SmartCard reader / writer mandatory

2) uses native support from Microsoft Windows operating systems

3) Manage IT Suite Migration mandatory

Data Sheet · SCENIC W · Issue July 2004

System	SCENIC W600	SCENIC W600, pwr	SCENIC W620				
Microsoft Windows XP Professional	preinstalled	preinstalled	preinstalled				
Intel chipset	865G	865G	915G Express				
ATX mainboard	D1567	D1567	D1837				
Microprocessor							
Intel Celeron processor	Up to 2.8 GHz	Up to 2.8 GHz	335D (targeted July 2004)				
Front Side Bus (MHz)	400	400	533				
Intel Pentium 4 processor	Up to 2.8 GHz	Up to 2.8 GHz					
Intel Pentium 4 processor with HT Technology	Up to 3.2 GHz	3.2	520, 530, 540, 550				
Front Side Bus (MHz)	533 or 800	533 or 800	800				
Second-level cache integrated (KB) on die	128 or 512	128 or 512	256 or 1 MB				
Processor socket	mPGA478	mPGA478	LGA775				
System memory							
Max. DDR SDRAM (GB), DDR2 400/533 ⁸⁾	-	-	4 ¹⁾⁹⁾				
Max. DDR SDRAM (GB), DDR400	2 ²⁾	2 ²⁾	-				
Max. DDR SDRAM (GB), DDR333	4 ³⁾⁴⁾	4 ³⁾⁴⁾	-				
DIMM slots	4	4	4				
Flash EPROM BIOS update by software	x	x	x				
Interfaces (see also page 4)							
2nd serial	optional	optional	-				
Universal Serial Bus (2.0, in total)	8	8	8				
of them rear (integrated in I/O shield)	4	4	4				
of them in front with Audio	1x optional	1x optional	2x optional				
of them in front without Audio	2x optional	2x optional	-				
I/O controller							
Fast IDE / Ultra DMA-100 busmaster capability	for 2 x 2 drives	for 2 x 2 drives	for 1 x 2 drives				
Serial ATA	for 2 drives	for 2 drives	for 4 drives				
LAN on board							
10/100/1000 MB/s, Wake-on-LAN, ASF 2.0 with PXE bootcode, BootP bootcode flashable from DUCD as option	Intel 82547EI	Intel 82547EI	Broadcom BCM5751				
Creatix WLAN CTX405 802.11b/g	optional	optional	optional				
WLAN Module 3,5" (starting August 2004)	optional	optional	optional				
System management							
ASIC on board	x	x	x				
Audio on board AC'97	AD1980	AD1980	AD1986				
Graphics processor							
Shared memory depending on driver	x	x	x				
Plugged in AGP slot	64 MB	64 MB	128 MB				
Plugged in PCI Express x16 slot	optional	optional	-				
	-	-	optional				
Graphics subsystem							
nVIDIA GeForce FX 5200 64 MB, Dual DVI, LP (AGP 8-speed; 300 MHz)	optional	optional	-				
DVI extension adapter	optional for AGP	optional for AGP	optional for PCI-Express with Dual Monitor Support				
Hard disk drive							
Ultra DMA-100 40 / 80 GB (7200 rpm, silent) ⁵⁾	optional	optional	-				
Serial ATA 40 / 80 / 160 GB ⁵⁾	optional	optional	optional				
Drive bays	6	8	8				
Internal (inch)	2 x 3.5	4 x 3.5	4 x 3.5				
External (inch)	1 x 3.5, 3 x 5.25 ⁶⁾	1 x 3.5, 3 x 5.25 ^{6), 7)}	1 x 3.5, 3 x 5.25 ^{6), 7)}				
Slots with EasyFix (max. 312 mm)							
PCI (of them FlexySlots)	6 (3)	6 (3)	4 (2)				
PCI Express x1	-	-	2 (1)				
AGP 8x (FlexySlot)	1 (1)	1 (1)	-				
PCI Express x16 (Flexy Slot)	-	-	1 (1)				
Memory module configuration Intel 865 chipset (Example)	Memory module configuration Intel 915 chipset (Example)						
Channel 1	Channel 2	Dual Channel	Total Capacity	Channel 1	Channel 2	Dual Channel	Total Capacity
256 MB		X	512 MB	256 MB		X	512 MB
256 MB	256 MB	--	512 MB	256 MB	256 MB	X	1024 MB
256 MB	256 MB	X	1024 MB	256 MB	512 MB	--	1024 MB

- 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, max. 3.5GB DDR 400 usable for physical main memory.
 4) dual channel, delivery in pairs

- 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) FlexyBays
 7) also useable as internal 3.5 inch bays
 8) with future memory modules
 9) 4GB address space, max. 3GB DDR2 533 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 335	LGA 775	2.80	533	256	-
Intel Pentium 4 Processor	Socket	Clock Speed (GHz)	Front side Bus (MHz)	L2 Cache (KB)	Technology
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

System details	SCENIC W600	SCENIC W600, pwr	SCENIC W620
Intel chipset	865G	865G	915G Express
Electrical values (W)			
Max. output of PSU	235	300	300
Power consumption for standard configuration (W)			
Peak (running app., CD in use)	151 W	157 W	151 W
Average (running OS, Idle mode)	63 W	72 W	73 W
Minimum (ACPI status S5, soft-off)	2.6 W	2.3 W	2.3 W
Noise for standard configuration			
A weighted sound power level $L_{WA,d}$ / Workplace related A-weighted sound pressure level L_{pAm} (bystander positions) (ISO9296)			
$L_{WA,d}$ in B / L_{pAm} in dB (Stand by)	3.6 / 22	3.6 / 22	3.8 / 24
$L_{WA,d}$ in B / L_{pAm} in dB (Idle mode)	3.7 / 21	3.7 / 21	3.8 / 24
$L_{WA,d}$ in B / L_{pAm} in dB (Operation, HDD)	4.2 / 27	4.2 / 27	4.1 / 25
Driver support available			
Microsoft Windows 2000 / Windows XP	On DUCD / Internet	On DUCD / Internet	On DUCD / Internet
Windows NT 4.0	On DUCD / Internet	On DUCD / Internet	Limited support on request
Windows 98	Internet	Internet	-

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
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 W)
- 1 x LAN RJ-45

Graphics recommended refresh rates (Hz)
(color depth up to 32 Bit / pixel)

Resolution	865G	915G	GeForce FX (i865G only)
800 x 600	120	120	120
1024 x 768	120	120	120
1152 x 864	100	100	120
1280 x 1024	100	100	100
1600 x 1200	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

Electrical values

Rated voltage (wide range) 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) 387 x 204 x 503 mm
Weight 16 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, EN55024 EN61000-3-2/3, FCC class B
Environmental compatibility EPA-compliant

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. Integration in management software over WMI 1.5, DMI 2.0 and SNMP.

Security functions

- Security functions implemented in the cabinet:
- Mechanical case lock
 - Locked 5,25 inch bays if unused
 - 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 (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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