SCENIC® L
Expandable minitower

The SCENIC L minitower are Professional PCs for all office applications.
With separate packages, the SCENIC L can be easily adapted to all kinds of demands.
The SCENIC L can be used as standalone PC or client in networks to reduce the Total Cost of Ownership with extended manageability tools and to secure valuable data in the business environment.

Standard:

- Latest Intel® processors and chipsets

- In-house developed and manufactured systemboards

- Fully configurable system in respect to processor, main memory, hard disk, accessible drives and add-on boards

- F-Secure virus scanner with 1-year upgrade for signature files

- Sound level according to Blue Angel standard

- Desktop Management DeskView including intelligent local and remote hardware monitoring depending on chosen package

- Intelligent system upgrade of BIOS and drivers with DeskFlash and DeskUpdate

- ACPI ready

Upscaling packages:

- Ideal way of combining different features with the SCENIC L to meet customer-specific requirements
- Three packages are available:
  - Pro: Basic monitoring and security features
  - Pro Manageability: Pro Package + complete system monitoring functions to lower overall IT-costs
  - Pro Manageability and Security Package: Pro Manageability Package + extended security functions for a secure business environment

Customer-specific configuration:

- The ideal offer for longterm projects
- BIOS and firmware freeze
- Customized software load and front bezel

Serviceability:

- Service-friendly cabinet
- 5-year spare part supply
- Country-specific warranty

Data Sheet

FUJITSU COMPUTERS
SIEMENS

Intel chipset	815E		845		845G		850
Systemboards	D1218-A	D1219-A	D1326	D1327	D1386	D1387	D1192
Intel processor							
Celeron™ processor (GHz)	1.4						-
FSB (MHz)	100						-
Pentium® III processor (GHz)	1						-
Pentium® 4 processor (GHz)			2.2		2.4		1.7
FSB (MHz)	133		400		400 or 533		400
Second-level cache integrated (KB)	256		256 or 512		256 or 512		256 or 512
Max. system memory available							
SDRAM	512 MB		1.5 GB*		-		-
DDR SDRAM	-		-		1 GB**		-
RDRAM	-						1 GB**
DIMM slots	3		3***		2		-
RIMM slots	-		-		-		4***
Flash-EPROM BIOS update by software	x		x		x		x
LAN on board	x		x		x		
10/100 MBit/s Fast Ethernet with BIOS Bootcode, Wake-on-LAN							
Intel 82562ET	x	-	x	-	x	-	-
Intel 82562EM (Alert-on-LAN 2)	-	x	-	x	-	x	-
Systemmanagement							
ASIC on board	-	x	-	x	-	x	x
Audio on board AC'97	AD1885		AD1885		AD1981A		AD1885
Graphics							
Integrated in chipset	x		-		x		-
Plugged in AGP slot	x		x		x		-
Plugged in AGP Pro slot	-		-		-		x
Slots with EasyFix (max. 340 mm)							
PCI	5		6		6		5
AGP 4x	1		1		1		-
AGP Pro 4x	-		-		-		1
CNR / PCI shared	-		-		-		1
Interfaces (see page 3)							
1 x serial (9-pin, 16 Byte FIFO, 16550 compatible)	x		x		x		x
2nd serial interface	Optional		x		Optional		Optional
Monitor (15-pin, VGA)	1		-		1		-
LAN RJ-45	1		1		1		-
Universal Serial Bus (USB) rear	2 x 1.1		2 x 1.1		2 x 2.0		2 x 1.1
Universal Serial Bus (USB) internal	2 x 1.1		2 x 1.1		4 x 2.0		2 x 1.1
Therefrom in front	2 x optional		2 x optional		2 x optional		2 x optional
Game / MIDI Port	1		1		-		1
SCSI hard disk controller AHA 29U160							
Hard disk drive in EasyChange frame							
Ultra 160 SCSI							
18 GB formatted capacity; 10000 rpm	-	x	-	x	-	x	x
Noise							
Typical sound pressure level (ISO9296) for standard configuration related to workplace position							
L_{pAm} in dB (Idle mode)	≤ 28	≤ 24	≤ 26	≤ 25	Tbd	Tbd	≤ 27
Packages							
Pro	Optional		Optional		Optional		Included
Pro Manageability	Optional		Optional		Optional		Included
Pro Manageability and Security	Optional		Optional		Optional		Optional
Electrical values (W)							
Max. continuous output of power supply	110	200	200	250	200	250	250
Max. peak (10s) output of power supply	145	235	235	280	235	280	280
Power consumption for standard configuration (W)							
Peak (running application, CD in use)	62		133		Tbd		147
Average (running OS, Idle mode)	35		48		Tbd		53.3
Minimum (ACPI status S5, soft-off)	2.4		1.9		Tbd		2.7

*   3 GB with future memory modules
**   2 GB with future memory modules
***   ECC possible with appropriate memory modules

Content of Standard System

Interfaces
1 x parallel (25-pin, with EPP and ECP)
1 x keyboard (PS/2), 1 x mouse (PS/2)
1 x micro (mono)
1 x line In (stereo),
1 x line Out (stereo, 1 W)

Graphics processor
on board for i815E and i845G based systems or
for i815E, i845(G) and i850 based systems
plugged in AGP 4x (pro) slot
For all chipsets plugged in AGP 4x (pro) slot:
ATI Radeon FSC with 32 or 64 MB SDRAM
(300 MHz RAMDAC)
GM1000 nVIDIA TNT2 M64 with 16 MB SDRAM
(AGP 4-speed; 300 MHz RAMDAC)
GM3000 nVIDIA GeForce2 MX with 32 MB SDRAM
video memory (AGP 4-speed)
Matrox Millennium G450 DVI with 16 MB DDR-SDRAM
(Dual Head; AGP 4-speed; 300 MHz RAMDAC)

Refresh rates recommended
(color depth up to 32 Bit /pixel)

Resolution	815E	845G	Radeon
800x 600	100	120	120
1024x 768	100	120	120
1152x 864	85	100	120
1280x1024	85	100	100
1600x1200	75	75	85

Resolution	G450	GM1000	GM3000
800 x 600	120	120	120
1024 x 768	120	120	120
1152 x 864	120	100	100
1280 x 1024	110	85	100
1600 x 1200	95	75	85

Hard disk controller	Ultra DMA-100
busmaster capable	for 2 x 2 drives
Hard disk drive	Ultra DMA-100
Formatted capacity (GB)	20 / 40 (5400 rpm)
	20 / 40 / 80 (7200 rpm, silent)
Floppy disk drive	3.5-inch, 1.44 MB
CD-ROM drive	optional, 48-speed,
DVD drive	optional, 16/48x
CD-RW drive	optional, 24/10/40x
Drive bays	6
external	1 x 3.5-inch, 3 x 5.25-inch
internal	2 x 3.5-inch

Electrical values
AC voltage range	100 - 127 / 200 - 240 V
Rated frequency	50 - 60 Hz

Temperature / dimensions / weight
Ambient temperature	15°C to 35°C (to IEC 721)
Dimensions (H x W x D)	444 x 205 x 500 mm
Weight	approx. 13 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)
FCC class B	
NEMKO	

Compliance with standards
Product safety	IEC60950, EN60950,
	UL1950, CSA22.2 No.950
Electromagn. compatibility	EN55022/B, EN55024
	EN 61000-3-2/3
Environmental compatibility	EPA-compliant

Security functions
Security functions of the case:
- Cabinet can be sealed
- Kensington Lock ready
- Anti-theft feature (eye for an optional pad lock to
  prevent access)
Security functions implemented in the BIOS setup:
- Serial, parallel and USB interfaces and drives can be
  disabled
- Password protection for system, setup and hard disk
- Virus protection for boot sector of system hard disk
- BIOS based access protection with SmartCard (optional)

Operating systems / software
Windows XP Professional and	
Windows 2000 Professional	
Dual-Install (once-for-all selection)	preinstalled
Windows XP Home	preinstalled
MS Office XP Small Business Edition	bundled with OS
MS Office XP Professional	bundled with OS
Desktop Management DeskView	on DUCD
F-Secure virus scanner	on DUCD

Fujitsu Siemens Computers recommends
Windows® XP Professional for business.

For i815E, i845 and i850 based systems:	
Windows 2000 Professional and	
Windows NT 4.0 Workstation	
Dual-Install (once-for-all selection)	preinstalled
Windows Millennium Edition	
Windows 98 SE (on CD)	
once-for-all selection	preinstalled

Compatibility (references)
Microsoft operating systems (HCT / HCL entry)
SCENIC L, i815E, i850: PC 99
SCENIC L, i845, i845G: PC 2001
DMI 2.0, WMI 1.5
SCENIC L, i815, i845 with standard configuration: Ready
for SuSE Linux 7.2

Packages

Pro Manageability and Security	D1219-A	D1327	D1387	D1192
Pro Manageability	D1219-A	D1327	D1387	D1192
Pro	D1218-A	D1326	D1386	Included
Standard	D1218-A	D1326	D1386	Included
Chipset	Intel 815E	Intel 845	Intel 845G	Intel 850

Pro
- Lock for cabinet cover
  Master key possible via Customizing
- Intrusion detection switch
  Monitoring via BIOS
- DeskView full software functionality on DUCD
  (License key)
- Prepared for upgrade of internal SmartCard
  Reader/Writer

Pro Manageability
- Pro Package included
- System Monitoring (ASIC for PC Health, etc.)
- Switched power outlet for monitor
  (Power Management)
- Thermal Management provides silent system
- System speaker with audio functionality in
  cardguide
- Expandable configurability (SCSI)
- Alert on LAN only for LAN on board for: cover
  opening, heartbeat, processor missing, watchdog
- Heartbeat: Alert, if system is disconnected from
  LAN
- Prepared for On / Off via keyboard
- Wake on USB

Pro Manageability and Security
- Features of Pro Manageability Package
- Built in SmartCard Reader/Writer:
  -SCENIC L, i815E, i850:
    serial for Windows 2000 / Windows NT
  - SCENIC L, i845(G):
    USB for Windows 98 / Me / 2000 / XP
- Power on with SmartCard
- PreBoot access protection with SICRYPT
  CryptoCard (System Lock)
- Access protection with SICRYPT Smarty 2 and
  CryptoCard for Windows 2000 Professional and
  Windows XP
- Replacement of BIOS (System/Setup), hard disk,
  log on and screensaver password possible with
  SmartCard