

SCENIC® D Expandable desktop



The SCENIC D desktop with micro-ATX systemboards and low profile technology are Professional PCs for all office applications. With separate packages, the SCENIC D can be easily adapted to all kinds of demands. The SCENIC D 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
- High-quality system with 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 of signature files
- Sound level according to Blue Angel
- Low profile PCI and AGP cards
- Micro-ATX systemboards
- Desktop Management DeskView according to WfM 2.0 including intelligent local and remote hardware monitoring depending on chosen package
- ACPI ready

Upscaling packages:

- Ideal way of combining different features with the SCENIC D 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: 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

Technical Data · SCENIC D · Expandable desktop

Available systemboards

Chipset	Intel 810E2		Intel 815E		Intel 845		Intel 845D	
Systemboards	D1371	D1214	D1215	D1321	D1322	D1331	D1332	
Intel processor								
Celeron™ processor (GHz)	1.2	1.2		-		-		
Front Side Bus (MHz)	100	100		-		-		
Pentium® III processor (GHz)	-	1.0		-		-		
Front Side Bus (MHz)	-	133		-		-		
Pentium® 4 processor (GHz)	-	-		2.2		2.2		
System Bus Frequency (MHz)	-	-		400		400		
Second-level cache integrated (KB)	128 or 256	128 or 256		256 or 512		256 or 512		
System memory								
Max. SDRAM	512 MB	512 MB		1.5 GB*		-		
Max. DDR-SDRAM	-	-		-		1 GB**		
DIMM slots	2	2		3***		2***		
Flash-EPROM BIOS update by software	x	x		x		x		
LAN on board								
Intel 82562ET	x	x	-	x	-	x	-	
Intel 82562EM (Alert-on-LAN 2)	-	-	x	-	x	-	x	
System management								
ASIC on board	-	-	x	-	x	-	x	
Graphics								
Integrated in chipset	x	x		-		-		
Plugged in AGP slot	-	x		x		x		
Slots low profile with EasyFix (max. 200 mm)								
PCI low profile	3	3		3		3		
AGP 4x low profile	-	1		1		1		
Drive bays								
Internal 3.5-inch	5	5		5		5		
External 3.5 inch	2	2		2		2		
External 3.5 inch	1	1		1		1		
External 5.25 inch	2	2		2: 1 x standard 1 x slimline for CD-ROM		2: 1 x standard 1 x slimline for CD-ROM		
Interfaces (see page 3)								
1 x serial (9-pin, 16 Byte FIFO, 16550 compatible)	x	x		x		x		
2nd serial interface	Optional	Optional		x		x		
1 x monitor (15-pin, VGA)	x	x		-		-		
Packages								
Pro Package	-	x		x		x		
Pro Manageability Package	-	x		x		x		
Pro Manageability and Security Package	-	x		x		x		
Noise								
Typical sound pressure level (ISO9296) for standard configuration related to workplace position								
LpAm in dB (Idle mode)	≤ 30	≤ 30	≤ 25	≤ 26	≤ 26	≤ 26	≤ 26	
(Standby)	≤ 30	≤ 30	≤ 23	≤ 26	≤ 24	≤ 26	≤ 24	
Electrical values (W) of power supply								
Max. continuous output	110	110		200		200		
Max. peak (10s) output	145	145		235		235		
Power consumption for standard configuration (W)								
Peak (running application, CD in use)	73	72		136	133	136	133	
Average (running OS, Idle mode)	33	34		51	51	51	51	
Minimum (ACPI status S5, soft-off)	2	2		2.5	3.4	2.5	3.4	

* 3 GB with future memory modules

** 2 GB with future memory modules

** ECC support possible with appropriate memory modules

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)
 1 x Game / MIDI Port
 2 x Universal Serial Bus (USB) rear
 2 x Universal Serial Bus (USB) front optional
 1 x SCSI (Adaptec 2915 low profile) for external use only
 (via L-number or customizing only)

Graphics processor

on board for i810E2 or i815E based systems or
 for i815E and i845(D) based systems
 plugged in AGP 4x slot

Graphics controller (low profile):

ATI Radeon FSC with 32 MB SDRAM

(300 MHz RAMDAC)

Matrox Millennium G450 DVI with 32 MB DDR-SDRAM

(Dual Head; AGP 4-speed; 300 MHz RAMDAC)

GM1000 nVIDIA TNT2 M64 with 16 MB video memory

(AGP 4-speed; 300 MHz RAMDAC)

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

Resolution	810E2	815E	Radeon
800 x 600	85	100	120
1024 x 768	85	100	120
1152 x 864	85	85	120
1280 x 1024	85	85	100
1600 x 1200	75	75	85

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

Audio on board	AC'97 AD1885
LAN on board	10/100 Mbps, Fast Ethernet optional with BIOS Bootcode, Wake-on-LAN
Hard disk controller busmaster capable	Ultra DMA-100 for 2 x 2 drives
Hard disk drive Formatted capacity	Ultra DMA-100 20 GB (5400 rpm) 20 / 40 / 80 GB (7200 rpm)
Floppy disk drive	3.5-inch, 1.44 MB
CD-ROM drive	optional, 48-speed, optional, 24-speed slimline ¹⁾
DVD drive	optional, 16/48-speed optional, 6/24-speed slimline ¹⁾
CD-RW drive	optional, 24/10/40x
Electrical values	
AC voltage range	100 - 127 / 200 - 240 V
Rated frequency	50 - 60 Hz

1) for 2nd drive in i845(D)based systems

Temperature / dimensions / weight

Ambient temperature 15°C to 35°C (to IEC 721)
 Dimensions (H x W x D) 105 x 375 x 445 mm
 Weight approx. 8 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)
 ISO9241 (GS mark)

Ergonomics
 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 cabinet:

- Seal option
 - 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	preinstalled
Windows XP Home	preinstalled
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
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 (not for Windows XP)	on DUCD

Fujitsu Siemens Computers recommends Windows® XP Professional for business.

Compatibility (references)

Microsoft operating systems (HCT / HCL entry)
 SCENIC D, i815E: PC 99
 SCENIC D, i810E2, i845, i845D: PC 2001
 Wired for Management 2.0

Packages

Pro Manageability and Security	-	D1215	D1322	D1332
Pro Manageability	-	D1215	D1322	D1332
Pro	-	D1214	D1321	D1331
Standard	D1371	D1214	D1321	D1331
Chipset	Intel 810E2	Intel 815E	Intel 845	Intel 845D

Pro

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

Pro Manageability

- Pro Package included
- System Monitoring (ASIC for temperature, cover sensor, fan monitoring, battery voltage, etc.)
- Switched power outlet for monitor
(Power Management)
- Thermal Management provides silent system
- System speaker with audio functionality
- 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 (dependent on systemboard technology)

Pro Manageability and Pro Security

- Features of Pro Manageability Package
- Built in SmartCard Reader/Writer:
 - SCENIC D, i815E : serial for Windows 2000 / Windows NT
 - SCENIC D, i845: 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

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