

EQUIUM 7100S Series Specifications

PLATFORM

SERIES NAME	EQUIUM 7100S
PART NUMBER	<i>As Listed:</i> See Configuration Page
PROCESSOR	<i>Note: Processors with 100MHz Front Side Bus require matched memory.</i>
Intel Pentium® III	Yes
Available processor speeds	500, 550, 600MHz
Integrated Coprocessor	Yes
MMX support	Yes
ECC support	Yes
Processor Cache (L1) Capacity	32KB: (16KB code; 16KB data)
Bus Speed	100MHz Front Side Bus
LEVEL 2 (L2) CACHE	Yes: 512KB Pipeline Burst SRAM <i>Integrated into CPU</i>
Data Bus Width/Address Bus Width	64-bit/64-bit
Local Clock Bus Speed	Half of the Processor clock
Intel Celeron®	Yes
Available processor speeds	433MHz
Integrated Coprocessor	Yes
MMX support	Yes
ECC support	Yes
Processor Cache (L1) Capacity	32KB: (16KB code; 16KB data)
Bus Speed	66MHz Front Side Bus
LEVEL 2 (L2) CACHE	Yes: 128KB Pipeline Burst SRAM <i>Integrated into CPU</i>
Data Bus Width/Address Bus Width	64-bit/64-bit
Local Clock Bus Speed	Half of the Processor clock
SYSTEM BOARD	
Form Factor	NLX
Chipset	82440BX
Down Components	
I/O Controller	Yes
Graphics Controller	ATI 3D Rage Pro 2X AGP
Audio Controller	Crystal Audio CS4235
SYSTEM ARCHITECTURE	
Form Factor	NLX Riser Adapter (1-PCI and 1-PCI/ISA)
PCI BUS (V2.1): (32-bit, 33mhz)	Yes: 1-Half-length slot
ISA BUS: (16-bit, 8MHz)	Yes: 1-Shared PCI/ISA half-length slot
HARDWARE MONITORING (DMI ASIC)	Yes: LM78 (Voltage, Temperature, Fan Speed, and Chasis Intrusion)
MEMORY: SDRAM	
Type	168-pin SDRAM DIMM's with gold-plated contacts, unbuffered
Available Standard Configurations (x*32MB)	32MB, 64MB or 128MB (<i>As Listed:</i> See Configuration Page)
Maximum	256 MB
ECC/Parity Support	Optional (No parity standard)
Local Clock Bus Speed	66 MHz
Socket type:	(2) 168-pin gold plated DIMM sockets: Accepts 8/16/32/64/128MB memory
BIOS (2Mbit FLASH EEPROM, 256KB)	Yes
PC-98 Ready	Yes
Multi-Boot	Yes
PCI Add-in card auto-config	Yes
PnP 1.0a Support	Yes
Advanced Power Management 1.2 (APM)	Yes
DMI 2.0 Compliant	Yes
UDMA - 33	Yes
POST	Yes
Machine ID	Yes
DPMS Support	Yes
Toshiba Secure Sleep	Yes

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PART NUMBER	<i>As Listed:</i> See Configuration Page		
EXTERNAL INTERFACES	All ports color coded for easy installation		
One RJ-45 port	<i>As Listed:</i> See Configuration Page		
One 9-Pin Serial (16550 UART compliant)	Yes		
Universal Serial Bus ports ¹	Supports 2 USB peripherals without external hub		
One 25-Pin Parallel	Yes: Supports EPP, ECP		
One 15-Pin RGB (SVGA video)	Yes		
One (PS/2) Mouse Port	Yes		
One (PS/2) Windows 95 104 Keyboard	Yes		
Microphone (3.5mm mini jack, monaural)	Yes		
Line-out (3.5mm mini jack, stereo, 0.7V rms)	Yes		
AC IN (Standard 3 prong)	Yes		
VIDEO			
Video Memory: SGRAM	4 MB expandable to 8MB (via SO-DIMM socket)		
Speed	40ns		
Data Bus Width	64-bit		
Clock Speed	100 MHz		
Graphic Controller			
Standards Supported	DPMS Power Managment, DDC1, DDC2B, PnP Compliant		
Local Bus support	Yes: PCI Bus (33 Mhz, 32-bit)		
Controller Chip	ATI 3D Rage Pro (AGP -- Accelerated Graphics Port)		
Connected Bus type	AGP 1.0		
Bus Speed	133 MHz		
64-bit BitBLT Engine	Yes		
2D Supported Features	BitBLT, Hardware Cursor (up to 64 x 64 x 2), DirectDraw, Retangle Fill, Line Draw, Polygon Fill, Panning/Scrolling, Bit Masking, Monochrome Expansion, Scssoring and full ROP support		
3D Supported Features	Yes: supports 24-bit color		
AGP Support	Yes: (133mhz with sidebands and pipelining 64-bit PCI Graphics Accelerator)		
Triangle Setup	Yes		
Modeling	Fogging, lighting		
Shading	Gouraud shading		
Rendering	Texture mapping: Bilinear, Trilinear, Anti-aliasing, MIP mapping, Z-Buffering		
Alpha-blending	Yes		
Direct3D support	Yes		
QuickDraw 3D RAVE support	Yes		
Open GL support	Yes		
Digital Video Accelerator			
YUV Color Space Conversion	Yes: Off-loads conversion from CPU for higher performance full motion video Without compromising picture quality or frame rate.		
Scaling/ Interpolation	Yes: vertical & horizontal		
Direct Video, DirectMPEG	Yes		
Motion Compensation	Yes		
SUPPORTED VIDEO RESOLUTIONS	Colors/ Refresh Rate		
(Non-interlaced unless otherwise specified)	<u>4MB Memory</u>		
640 x 480	32-bit	120 Hz	
800 x 600	32-bit	120 Hz	
1024 x 768	32-bit	90 Hz	
1152 x 864	32-bit	47 Hz	
1280 x 1024	24-bit (16.7M)	70 Hz	

- Both ports operate from a single controller allowing 128 devices total, not per port. Throughput for the Universal Serial Bus (USB) 12mb/sec

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PART NUMBER	<i>As Listed:</i> See Configuration Page		
SOUND SYSTEM			
Chipsets:	Crystal CS4235		
Compatibility	Sound Blaster Pro & Windows Sound System		
FM Synthesis	Yes (Yamaha OPL3 compatible)		
16-bit stereo audio <i>full duplexed</i>	Yes		
SRS ² 3D sound support	Yes		
Built-in microphone	No		
CHASSIS "SLIMLINE DESKTOP DESIGN"			
EXPANSION BAY		<u>TOTAL</u>	<u>AVAILABLE</u>
	Internal 3.5"	1	1
	5.25"	0	0
	External 3.5"	1	0
<i>As Listed: See Configuration Page</i>	5.25"	1	0
			<u>CONFIGURED</u>
			1 (HDD)
			0
			1 (FDD)
			1 (CD-ROM)
EXPANSION SLOTS		<u>TOTAL</u>	<u>AVAILABLE</u>
PCI: Half-Length		1	1
PCI/ISA Shared: Half-length		1	1
			<u>CONFIGURED</u>
			0
			0
POWER SUPPLY(145Watts)			
Input (Voltage/Frequency)	115-230V; 50-60Hz		
Cord Length	6 feet		
SUPPORTED SAFETY STANDARDS			
US/Canada	UL 1950 - CSA950-95, 3rd Edition, 7/28/95 CSA22.2 No.950-93, 3rd Edition ICES-003, Issue 2 FCC Class B		
Europe	EN 60950 w/Nordic deviation CE Mark EN61000-4-2 (IEC 801-2), EN61000-4-3 (IEC 801-3), EN61000-4-4 TUV/GS Mark		
Japan	EN61000-4-5, VCCI Class 2 (ITE)		
CERTIFICATIONS: Windows 95,98 & Windows NT logo, Novell Client, Energy Star			
HARDWARE COMPLIANT: PC97, PC98, Wired For Management (WfM)			
SECURITY			
Hardware	Chasis Lock (key mechanism/padlock) -- <i>Lock not included</i>		
Keyboard/Mouse Lock	Secure sleep		
Miscellaneous	Screen blank		
Password Support	Power-on, Supervisor/Administrator, User, Sleep		
DIMENSIONS	16.10"W x 14.84"D x 3.86"H		
WEIGHT (w/o CD-ROM)	17.16 lbs.		
(w CD-ROM)	19.36 lbs.		
BUNDLED SOFTWARE OPTIONS: Windows 95, Windows 98 <i>or</i> Windows NT Workstation v4.0 w/NT Service Pack 3 Intel LanDesk Client Manager 3.1; Microsoft Internet Explorer 4.0.; Expert Intelligent Help(SystemWizard v1.4) Online User's Guide. CD's Included: Backup CD, Toshiba Configuration Builder (Recovery) CD			
WARRANTY: 3 Yr. Parts/One Yr. Labor (First Yr. On-site), Years 2 & 3 Parts only; 24 x 7 Dedicated technical support			
ENVIRONMENTAL SPECIFICATIONS			
		<u>Operating</u>	<u>Non-operating</u>
Temperature:		50°F (10°C) to 95°F (35°C)	-4°F (-20°C) to 140°F (60°C)
Packaged: -30°C to 70°C		--	--
Relative Humidity:		30% to 80% non-condensing	10% to 90% non-condensing
Shock:		10G; 1.5G w/CD-ROM installed	60G; 10G w/CD-ROM installed
Vibration (5~150Hz f/30 minutes, each axis)		0.3G	0.6G
Packaged: 1.0G		--	--

2. Sound Retrieval System® creates a 3D sound image using two conventional speakers, by retrieving pre-recorded spatial information and restoring it to the original 3D sound field.

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COMPONENT

STORAGE

FDD	3.5" 1.44MB Floppy Disk Drive
HDD (3.5" Half-height Enhanced IDE)	<i>As Listed:</i> See Configuration Page
Type	Removable, SMART, Ultra-DMA
Capacity options	4GB, 6.4GB, 8GB, 10GB, 13.6GB, 17.2GB or 20.5GB (<i>See Configuration Page</i>)
RPM	5400
Buffer	256KB
Access Time	<9.7 msec
Ultra DMA	Yes
Burst Data Transfer Rate	Ultra DMA Mode2 (33.0MB/sec); PIO Mode 4 (16.7MB/sec)
Certifications	SMART, UDMA-33, Energy Star
Controller	Integrated (ATA-4)
CD-ROM:	<i>As Listed:</i> See Configuration Page
Available options	No CD-ROM, 40X CD-ROM or 4X DVD-ROM (DVD-ROM is for storage only)
CD-ROM speed	40X
Interface	ATAPI (Enhanced IDE)
Modes supported	PIO Mode4, DMA Mode2 and Ultra DMA/33
Random Access Time	80ms
Sustained Data Transfer Rate	2100~6000KB/Sec(14X~40X), average over 28X
Standards supported	MPC Level 2 & 3
Disk Formats supported	SO9660 Data Discs, CD-ROM(Mode 1 & Mode 2), Mixed Mode (Audio Combined CD-ROM Disc), CD-ROM/XA(Mode2, Form 1 & Form 2), CD-I/FMV, Video CD, CD-DA, Photo-CD(Single & Multisession), Karaoke CD, CD Extra, CD-RW (Read Only)
DVD-ROM (Toshiba SD-M1202)	4X speed, Region 1 (DVD-ROM is for storage only)
Interface	ATAPI (Enhanced IDE) <i>with 256KB Buffer</i>
Random Access Time	160 ms
Sustained Data Transfer Rate	2,704 KB/sec to 6,534KB/sec
Supported Disk Formats	Multisession Photo-CD, CD-Extra, CD-ROM XA, CD-I, Video CD, CD-G, CD-I Ready, MPC-3 Compliant, Red Book, Yellow Book, Plug and Play

ETHERNET SUPPORT

Available options	<i>As Listed:</i> See Configuration Page
Chipset	Intel EtherExpress PRO/100B PCI, 3Com Fast EtherLink XL 10/100, or None i82558 (<i>Specs not available for 3COM Option</i>)
Support Network	100Base-TX, 10Base T
Port	RJ 45 (with Connection Status LED and Ethernet Speed LED)
Wake on LAN	Yes

KEYBOARD (PS/2)

Two Keyboard Options available	<u>Value Keyboard Option</u>
Enhanced 104-key keyboard	Yes
Windows 95 support	Yes
3.5mm Travel	Yes
12 dedicated function keys	Yes
Numeric keypad	Yes
Keyboard tilt	Yes
Detachable palm rest	No
Scroll Lock, CapsLock, NumLock Indicators	Yes

POINTING DEVICE - PS/2 Mouse Yes: 2 Button with 6 foot cable