Satellite 100CS Technical specifications







Processor	Model	Processor	Clock speeds
	Satellite 100CS	Intel Pentium, 75 MHz	75 MHz internally
	Technology)	(2.9-volt core usingVoltage	50 MHz externally Reduction
	rechnology)		
System memory	Memory type	Amount(Access speed)	Data bus width
	EDO RAM	8 MB (70 nanoseconds)	64-bit
	Maximum memory expansion (all EDO)	40 MB (70 nanoseconds)	64-bit
	BIOS Flash EPROM	128 KB (150 nanoseconds)	8-bit
	Video RAM	1 MB (60 nanoseconds)	32-bit
	Cache memory	16 KB on CPU chip (8 KB instructions + 8 KB writ	64-bit e-back)
Memory technology	Technology	3.3-volt	
	No. of expansion slots	1	
	Expansion module sizes	8 MB, 16 MB, 32 MB (all EDC	D RAM)
Memory map	Address	Size	Usage
	00000000 - 0009FFFF	640	System woking memory
	000A0000 - 000BFFFF	128	Video RAM area
	000E0000 - 000EFFFF	64	Video BIOS (RAM shadow)
	000F0000 - 000FFFFF	64	System BIOS (RAM shadow)
	00100000 - rest of memory	up to 40 MB	System extended memory
	FFFE0000 - FFFEFFFF	64	SM-RAM in SM mode
	0F0000 - 0FFFFF	64	System BIOS ROM

Diskette drive	Specification	High setting	Low setting	
	Media supported	3.5 inch 2HD	3.5 inch 2DD	
	Storage capacity	1.44 MB	720 KB	
	Rotation	300 rpm	300 rpm	
	Transfer rate	500 Kbit per second	250 Kbit per second	
	Bytes per sector	512	512	
	Sectors per track	18	9	
Hard disk drive	Formatted capacity	520 million bytes (500 MB)		
	Data transfer rate to media	< 44.9 Mbits/sec		
	Average seek time	13 ms typical		
	Track-to-track seek time	3 ms typical		
	Drive rotation	4,200 rpm		
	No. of disks	2		
	No. of read/write heads	16		
	Coding	8-9 RLL		
	Bytes per sector	512		
	Interleave	1:1		
	Interface	Enhanced IDE (AT compatil	ble task file)	
Screen	Screen type	Advanced STN colour		
	Number of dots	640 x 480		
	Dot pitch	0.33 mm (H) x 0.33 mm (V)		
	Display area	217.2 mm (H) x 164.4 mm (V)		
	Diagonal	10.4 inch		
	Contrast ratio	20:1 (typical)		
	Colours	up to 256		
	Response rise/fall	250 ms / 120 ms		
	LCD brightness in AC op.	85 NIT		
	LCD brightness in battery op.	op. 50 NIT		

Graphics adaptor	Video display	Resolution	Max. refresh rate	Max. no. of colours
	Internal display VGA	640 x 480	70 Hz	16 colours
	Internal display SVGA	640 x 480	75 Hz (222 K col.)	up to 256 colours
	External SVGA	640 x 480	75 Hz (256 K col.)	up to 16.7 mill. colours
	External SVGA	800 x 600	75 Hz (256 K col.)	up to 64 K colours
	External SVGA	1024 x 768	75 Hz (256 K col.)	up to 256 colours
Physical dimensions	Weight	Size (W, L, H)	Siz	e (Inches)
	3.2 kg	299 x 230 x 55	5 mm (11	l.7" x 9.0" x 2.1")
Battery types	Main	Back-up	RT	с
	NiH₂	NiH₂	Nil	42
	12 V x 2.600 mAH	7.2 V x 110 m	AH 3.6	3 V x 30 mAH
Resume battery back-up	Main	Back-up	RT	с
	4 -5 days (typical)	4 hours	1 r	nonth
Battery life	Maximum life	4.0 hrs. (PC Magazine's Rundown V2.0)		V2.0)
Integrated AC adaptor	Input voltage	100 - 240 V A	C, self-adjusting	
	Frequency	50 - 60 Hz		
	Output voltage	18 V		
	Output current	1.7 A		
	Power dissipation	30 W		
	Weight	340 g		

Connectivity & expansion	PC ports	Card Station ports	Expansion	
	Serial	Serial	PC: 1 PC Card slot (PCMCIA 2.0) for 2 Type II cards or 1 Type III card	
	Parallel (ECP)	Parallel (ECP)	PC: Internal memory module slot	
	(S)VGA monitor	(S)VGA monitor slots (PCMCIA 2.0)	Card Station: 2 Type III PC Card	
	Card Station connector	Notebook connector		
	PS/2 Mouse/Keyboard	PS/2 mouse and PS/2 k	eyboard	
ndled software			dows for Workgroups 3.11 can be	
			vill be deleted from the computer.	
	If you select Microsoft Wind	มมพรษอ		
		re for Microsoft Minde® of		
	- Toshiba utilities and drive			
	- Hypertext on-line manual (Satellite 100CS User's Manual)			
	- Hypertext on-line help (Microsoft Windows95)			
	If you select MS-DOS & MS Windows for Workgroups:			
	- MS-DOS and MS Windows for Workgroups			
	- Toshiba utilities and drivers for MS Windows for Workgroups			
	- PC Card and Socket services			
	- Hypertext on-line manual (Satellite 100CS User's Manual)			
	- Hypertext on-line manual (MS Windows for Workgroups)			
	- Hypertext on-line help (Us	er's Guide for MS Windows f	or Workgroups)	
vironmental conditions		Operating	Non-operating	
	Temperature	5° C to 35° C	-20° C to 65° C	
	Thermal Gradient	20° C/hour	20° C/hour	
	Relative Humidity	20% to 80%	10% to 90%	
		non-condensing	non-condensing	
		-60 to 3,000 m *	-60 to 10,000 m	
	Altitude (relative to sea level)	(-200 to 10,000 feet) *	(-200 to 30,000 feet)	
			(-200 to 30,000 feet) 60 G	
	(relative to sea level)	(-200 to 10,000 feet) *		
	(relative to sea level) Shock Vibration	(-200 to 10,000 feet) * 10 G 0.5 G	60 G	

IEC 950	Europe
NEMKO	Norway
NEI	Norway
DEMKO	Denmark
SEMKO	Sweden
SEV	Switzerland
FIMKO	Finland
VDE 0878 level B	Germany/ EC
VDE 0875 level B	Germany
FCC part 15 class B	USA
CSA 950/223	Canada
I. Canada	Canada
SASO	Middle East
GOST	Russia
CISPR Pub. 22 (EN 55022)	Europe/CE Mark

Satellite 100CS Features & Benefits







	Feature	Benefit
Microprocessor	Intel Pentium 75 MHz	 Provides a high speed, 64-bit external bus to cope with the most advanced software applications and GUIs
	Integrated numeric co-processor	 Faster processing of maths- intensive applications
	16 KB integrated cache	 Speeds up transfer of data between CPU and memory
	2.9-volt core technology	Reduces the amount of power consumed and heat generated
Memory	Standard 8 MB EDO RAM	 8 MB is the necessary amount of RAM to run powerful, memory intensive software and operating systems at a comfortable speed
	• 128 KB Flash EPROM	 Flash EPROM allows users to quickly update BIOS if necessary without returning machine to supplier
	Shadow ROM	Enhances computer performance
	 8 MB, 16 MB, or 32 MB memory 	Faster manipulation of software and
	modules (optional)	data stored in memoryUser can upgrade memory when th need arises
Internal FDD drive	• 3.5" diskette drive	 Reads from and writes to 3.5" 720 KB and 1.44 MB diskettes
Hard disk drive	520 million byte hard disk drive	 Provides large storage capacity for multiple programs and data
	 <u><</u> 13 ms average access time and 	Fast access to programs and data
	1:1 interleave	stored on hard disk
	Low-power consumption modes	Maximise battery operating life
Display	Advanced STN colour screen	Fast screen build due to dual scan technology
	• 26.4 cm (10.4")	 Comfortable working size Excellent for presentation graphics and all Windows-based application
	Adjustable viewing angle	Provides greater viewing comfort
	Feature	Benefit
Graphics sub-system	Very fast video controller	 Excellent for smoother viewing of presentations or for work with design or DTP programs in the office

	Graphics adaptor	256 colours at up to 640 x 480 dot resolution internally and up to 16.7
	Local-bus video	resolution internally and up to 16.7 million colours externally • Speeds up the transfer of data to
		screen creating faster images and clearer video
	Video graphics accelerator	Ensures that graphics are generated quickly on screens to take advantage of Graphical User Interfaces such as Windows
	Dual display mode	 Allows user to show data and presentations to colleagues or customers while controlling the procedure from internal screen and keyboard.
Keyboard	Full-function keyboard	 3 mm travel ensures faster, more comfortable data entry
	8 cursor keys	 Allow fast, convenient cursor positioning
	 12 function keys and embedded keypad 	 Provide desktop keyboard functionality and greater pro- ductivity
	8 hot keys	Allow users to change set-up features and use HotLock security direct from the keyboard
	Palm-rest for hands	 Allows easy comfortable typing, even where there is no flat surface
Pointing device	 Integrated MousePoint pointing device with buttons built into palm-rest 	 Easy to use Precise control of cursor No protruding extras when travelling
Interfaces	SVGA colour monitor port	 Provides high-resolution (up to 1,024 x 768 dots) display of colour and graphics on external monitor
	Parallel (ECP) port	Allows use of peripheral devices accepting parallel signals
		 Permits easy data exchange with external storage devices Permits easy and rapid data
		exchange with external devices, (e.g. printer, network)
	Serial port	 A serial mouse can be attached to the serial port if the PS/2 port is occupied by an external keyboard
		 Allows transmission of files between many types of devices incl. PCs, printers, PDAs, modems,
	PS/2 keyboard/mouse port	telephones Provides full keyboard versatility
	Feature	Benefit
Interfaces cont.	PS/2 keyboard/mouse port cont.	 Allows faster, more accurate entry numerical data via an external keyboard
		 Allows use of 102-key keyboard when desired; increases productivi of operators familiar with 102-key

	Card Station connector	 Allows use of desktop pointing devices such as a mouse with graphics and presentation software Frees serial port for use by another device Increased productivity of operators familiar with using a mouse Provides an instant connection to all ports hooked up to base and the additional PC Card slots
Expansion slots	2 Type II or 1 Type III PC Card slots (PCMCIA 2.0)	 additional PC Card slots Provides mobile communication and expansion in a credit -card-sized format Can be used for a wide range of communication and expansion modules such as modems, network adaptors, flash memory cards and removable hard disks Extra 2 Type III PCMCIA 2.0 slot via Card Station
Design	 A4 notebook design Rugged ABS casing 	 Provides the speed, power and expandability of a high performance desktop in a lightweight, go- anywhere form Tough enough to take the knocks of life on the road Colour is integrated into material so casing doesn't require painting and there is no danger of paint peeling or scratching
Power system	 Lightweight removable, re- chargeable NiH₂ battery packs Toshiba MaxTime Power Management (MTPM) 	 or scratching Environmentally friendlier to dispose of than nickel cadmium Offers long battery life Allows user to specify when power- hungry components should be shut down to make most efficient use of available battery power
	 Advanced Power Management (APM) Integrated AC adaptor 	 Determines power needs by communicating with APM compatible software and passing on information to MTPM Reduces overall travel weight No cumbersome parts to carry Electrical access world-wide
	 Intelligent power supply with battery "gas gauge," invoked through pop- up menu 	 Provides easy access for monitoing battery life
Power system cont.	System reset button	Allows rebooting without cycling power and without keyboard use (functions even when keyboard is closed)
Multiple security system	System password security	Stops unauthorised access to data and software when power is switched on

	HotLock security	 Instant security with a screen blank and keyboard/mouse lock- out using the F1 hot key
	Kensington MicroSaver provision	 Hardware-based theft pre- vention. The computer can be physically secured to an immovable object.
Special features	Flash EPROM	Allows end user to easily update BIOS if needed
	Plug and Play BIOS	Ready for Windows® 95
	AutoResume with AutoSave	 Allows you to turn the notebook off without exiting from software application; powers-up where you left off. AutoSave provides security against possible data loss due to loss of battery power.
	Pop-up menu	 Lets you change the configuration options and monitor the battery power level
	Hot keys	 Allow users to change various system configuration options any time, at the press of a key
	LED icon bar	Users can see the status of the machine even with lid closed
Toshiba support	 1-year International Warranty Optional additional 2-year International Warranty 	 Provides confidence that the notebook will give lasting, reliable performance
Options	Carrying case with shoulder strap	 Provides convenient space for computer, manuals, diskettes, file folders and other personal belongings
	 High-speed PC Card modem (PCMCIA 2.0) 	 Provides easy access to information world-wide
	8 MB, 16 MB and 32 MB EDO memory modules	 Convenient, easy-to-install memory expansion for memory-intensive software applications EDO memory expansion kits are readily available
	Extra battery pack	 Increases battery life while on the road
	Quick battery charger	 One battery can be charged using the quick battery charger while the other is in use to extend overall operating time
	Key caps for European languages	 Users in virtually all countries work with most familiar set of keys

	FEATURE	Benefit
Options cont.	Card Station	Connects to the back of the
		Satellite 100CS, providing Plug
		and-Play connectivity and PC
		Card expansion
		 Allows customers to leave
		everything connected in the
		office, and reconnection in one
		easy clip-on movement

- Locks into place with special hooks: very stable
- Includes a complete row of port options: PS/2 mouse, PS/2 keyboard, RGB, serial, parallel
- Two separate Type III slots
 - Let you connect all your computers to one network
- PCMCIA Ethernet adaptor

Satellite 100CS Options







Article	PA Number
8 MB memory kit	PA2031U
16 MB memory kit	PA2032U
32 MB memory kit	PA2034U
Keycaps for German keyboard	PA2213GR
Keycaps for French keyboard	PA2213FR
Keycaps for Scandinavian keyboard	PA2213SC
Keycaps for Swiss keyboard	PA2213SL
Keycaps for Italian keyboard	PA2213IT
Keycaps for Spanish keyboard	PA2213SP
Keycaps for English keyboard	PA2213EN
NiH₂ battery pack	PA2437UY
Battery charger	PA2436UY
Carrying case	2713372PHI
Card Station	PA2711UX
PCMCIA Ethernet adaptor	PCE2-10BC