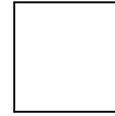
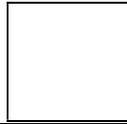


T4-Series Technical Specifications



CPU	Model	CPU	Clock speed
	T4700CT	SL Enhanced Intel486DX2 8 KB write-through cache	Internal: 50 MHz External: 25 MHz
	T4800CT/T4850CT	IntelDX4 16 KB write-through cache	Internal: 75 MHz External: 25 MHz
	T4900CT	Pentium 16 KB write-back cache	Internal: 75 MHz External: 50 MHz
	All models	3.3-volt technology Integrated numeric coprocessor	Switchable speeds for power saving

System memory	Memory type	Amount	Access speed
	Standard RAM	8 MB	80 ns (T4900CT: 70 ns)
	Memory expansion	up to 40 MB	80 ns
	BIOS Flash EPROM	128 KB (T4700CT/T4800CT) 192 KB (T4850CT/T4900CT)	
	Video RAM	1 MB	80 ns (T4700CT/T4800CT) 70 ns (T4850CT/T4900CT)

Memory technology	Technology	3.3 volts
	No. of expansion slots	1
	Expansion module sizes	4 MB, 8 MB, 16 MB, 32 MB (4700CT no 32 MB card)

Sound system	Compatibility	Microsoft Windows Sound System 2.0	
	Built-in hardware	Microphone and speaker	
	File format support	T4700CT/T4800CT T4850CT/T4900CT	WAVE WAVE and MIDI

External diskette drive	Specification	High setting	Low setting
	Media supported *	3.5 inch 2HD	3.5 inch 2DD
	Storage capacity	1.44 MB	720 KB
	Average access time	181 ms (T4900CT: 94 ms)	181 ms (T4900CT: 94 ms)
	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
	Dimensions	96 x 15 x 126 mm (T4900CT: 96 x 11 x 116 mm)	

* Adjustment between diskette types is automatic

Hard disk drive	Specification	T4700CT	T4800CT/ T4850CT	T4900CT
	Formatted capacity	200 MB/320 MB	500 MB	810 Million Bytes (770 MB)
	Buffer size	128 MB	512 MB	32 KB write cache/ 32 KB read cache
	Data transfer rate to buffer	18.1 - 31.6 Mbits/ sec	18.9 - 31.6 Mbits/ sec	24.9 - 36.0 Mbits/ sec
	Average seek time	12 ms	12 ms	14 ms
	Track-to-track seek time	3 ms	3 ms	4 ms
	Drive rotation	4,000/4,200 rpm	4,000 rpm	3,800 rpm
	No. of disks	2/3	4	3
	No. of read/write heads	4/6	8	6
	Coding	1-7 RLL	1-7 RLL	1-7 RLL
	Bytes per sector	512	512	512
	Interleave	1:1	1:1	1:1
	Interface	AT- compatible task-file	AT- compatible task-file	AT- compatible task- file

Screens	Specification	T4700CT/T4800CT	T4850CT/T4900CT
	Screen type	Active matrix TFT, colour	Active matrix TFT, colour
	Number of dots	640 x 480	640 x 480
	Dot pitch	0.30 mm ²	0.33 mm ²
	Display area	192 mm x 144 mm	211,2 mm x 158,4 mm
	Diagonal	9.5 inch	10.4 inch
	Contrast ratio	60:1	100:1
	Colours	up to 256	up to 4,096

Screens cont.	Total response time	100 ms	100 ms
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	Maximum brightness	70 cd/m ²	70 cd/m ²
	Total power consumption	4.5 W	3 W
Graphics adaptor	Specification	T4700CT/T4800CT	T4850CT/T4900CT
	Internal video mode VGA-Resolution: 640 x 480	up to 256 colours ¹⁾	up to 65,536 colours ²⁾
	External video modes: SVGA-Resolution: 640 x 480	up to 256 colours ¹⁾	up to 65,536 colours ²⁾
	SVGA-Resolution: 800 x 600	up to 256 colours ¹⁾	up to 256 colours ³⁾
	SVGA-Resolution: 1,024 x 600	up to 256 colours ¹⁾	up to 256 colours ³⁾
	Bus technology	Local-bus video	Local-bus video
	¹⁾ Out of a palette of 262.144		
	²⁾ Out of a palette of 65.536		
	³⁾ Out of a palette of 231,424		
Keyboard	No. of keys	84	
	Key stroke	3 mm	
	Dimensions	290 x 115 x 11 mm	
	Hot keys	10	
Pointing device	Microsoft Ballpoint Mouse V2.0 (T4900CT : MousePoint)		
Interfaces	SVGA colour monitor Bi-directional parallel port (T4900CT: parallel ECP) RS-232-C serial port PS/2 keyboard port PS/2 mouse port Desk Station IV connector QuickPort (not T4900CT) External microphone jack External headphone jack		
PCMCIA expansion	1 Type II (5 mm) 1 Type III (16 mm) (T4900CT: 10.5 mm)		
Main battery	Technology	Nickel-hydride	
	Capacity	12 V x 2,600 mAH (T4700CT: 12 V x 2,400 mAH)	
	Battery life	up to 3.5 hours	
	Battery charge		
	- Machine on	2 - 6 hours	
	- Machine off	1.5 - 2 hours	
Dimensions	Size (W x D x H)	297 x 56.5 x 210 mm	
	Weight	3.2 kg	

AC adaptor	Input voltage	100 - 240 AC self-adjusting
	Frequency	50 - 60 Hz
	Output voltage	18 V
	Output current	1.7 A
	Power dissipation	T4700CT/T4800CT: 20 W T4850CT/T4900CT: 30 W
	Weight	T4700CT/T4800CT: 450 g T4850CT/T4900CT: 320 g

Bundled hardware & software	MS DOS 6.2
	MS Windows for Workgroups 3.11
	MS Sound System 2.0
	PCMCIA Socket & Card Services software V 2.0
	Toshiba screen driver for Windows
	MaxTime power management & Toshiba hardware configuration utilities for Windows
	Mouse configuration software

Environmental conditions	Operating	Non-operation
Temperature	5° C - 35° C	- 20° C - 65° C
Thermal gradient	20° C/hour	20° C/hour
Relative humidity	20% to 80% Non condensing	10% to 90% Non condensing
Altitude (relative to sea level)	- 60 to 3,000 m* (- 200 to 10,000 feet)*	- 60 to 10,000 m (- 200 to 30,000 feet)
Shock	10 G	60 G
Vibration	0.5 G	1 G

* Aeroplane cabin pressures simulate low altitudes, so flying higher causes no restrictions

Certification	UL 478/1012	USA
	IEC 950	International
	NEMKO	Norway
	DEMKO	Denmark
	SEMKO	Sweden
	SEV	Switzerland
	SETI(EI)	Finland
	VDE 0878 Stufe B	Germany / EC
	FCC Teil 15 Stufe B	USA
	CSA 220	Canada
	DOC Klasse B	Canada
	SAA	Australia
	SASO	Middle East

Options for all models	Article	PA number
	4 MB memory kit	PA2012U
	8 MB memory kit	PA2013U
	16 MB memory kit	PA2014U
	Toshiba PCMCIA CryptCard	Article no. 2785001
	Extra battery pack (T4700CT)	PA2420U
	Extra battery pack	PA2429UR

Options cont.

AC adaptor	
- T4700CT/T4800CT	PA2478U
- T4850CT/T4900CT	PA2431U
Car adaptor	Article no. CAT4512V
Battery charger	PA2422U
5.25 inch external FDD	PA8718U-E
MS BallPoint Mouse V2.0	PA2805U
Keycaps for keyboard	
- German	PA2203 GR
- French	PA2203 FR
- Scandinavian	PA2203 SC
- Swiss	PA2203 SL
- Italian	PA2203 IT
- Spanish	PA2203 SP
- US	PA2203 USE
Carrying case	Article no. 2713372
