
Technical specifications

Processor

Model	Processor	Clock Speeds
T3400/T3400CT	SL Enhanced Intel486 SX	33 MHz/16.5 MHz,
T3600CT	SL Enhanced Intel486 DX2	50 MHz internally 25 MHz externally
T3600CT	Integrated numeric co-processor	
All models	3.3-volt technology	Switchable speeds for power saving

System memory

Memory type	Amount	Access speed
Standard RAM	4096 KB (T3400/CT) 8192 KB (T3600CT)	(80 nanoseconds)
Maximum memory expansion	20,480 KB (T3400/CT) 24,576 KB (T3600CT)	(80 nanoseconds)
BIOS Flash EPROM	128 KB	(80 nanoseconds)
Video RAM	1 MB	(80 nanoseconds)
Cache memory	8 KB on the CPU chip	

Memory technology

Technology	3.3-volt
No. of expansion slots	1
Expansion module sizes	4 MB, 8 MB, 16 MB

Memory map

Address	Size	Usage
00000000 - 0009FFFF	640	System working memory
000A0000 - 000BFFFF	128	Video RAM area
000C0000 - 000C7FFF	32	VGA BIOS ROM
000C8000 - 000CFFFF	32	Backup RAM (Resume Mode)
000F0000 - 000FFFFF	64	System BIOS ROM
00100000 - 003FFFFFF	3456	System extended memory
00400000 - 013FFFFFF	16384	Memory card 1
FFFF0000 - FFFFFFFF	64	Shadow BIOS ROM

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
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	106 x 154 x 15 mm	

*Adjustment between diskette types is automatic.

Hard disk drive

Specification	T3400	T3400CT & T3600CT
Formatted capacity	120 MB	250MB
Data transfer rate to buffer	4.0 MB/sec	11.1 MB/sec
Data transfer rate to media	17-28.9 MBits/sec	31.6 MBits/sec
Average seek time	15 ms	13 ms
Track-to-track seek time	3 ms	3 ms
Drive rotation	3,600 rpm	4,000 rpm
No. of disks	2	2
No. of read/write heads	4	4
Coding	1-7 RLL	1-7 RLL
Bytes per sector	512	512
Interleave	1:1	1:1
Interface	AT compatible task file	AT compatible task file

Screens

Specification	T3400	T3400CT & T3600CT
Screen type	Dual scan monochrome STN	Low-power colour TFT
Number of dots	640 x 480	640 x 480
Dot pitch	0.27 x 0.27 mm	0.25 x 0.25 mm
Display area	171 x 130 mm	171 x 130 & 160 x 120 mm
Diagonal	8.4 inch	7.8 inch & 8.4 inch
Contrast ratio	17:1 (max.)	60:1
Grey scales/Colours	up to 64	up to 256
Total response time	300 ms (typical)	80 ms (maximum)
Maximum brightness	70 cd/m ²	60 cd/m ²

Graphics adaptor	Video display	Resolution	Number of colours
	Internal display VGA	640 x 480	16 colours/16 grey scales
Internal display SVGA (CT)	640 x 480	256 colours	
External SVGA	640 x 480	256 colours	
External SVGA	800 x 600	16 colours	
External SVGA	800 x 600	256 colours	
External SVGA	1024 x 768	16 colours	

Physical dimensions	T3400	T3400CT/T3600CT
	Size (W, D, H)	251 x 201 x 42 mm
	9.8" x 7.9" x 1.7"	9.8" x 7.9" x 1.8"
Weight	1.8 kg (4.0 lb.)	2.0 kg (4.4 lb.)
Combined travel weight	2.44 kg (5.4 lb.) (PC + Ext. FDD + mains adaptor + cables)	2.64 (5.8 lb.)

Battery types	Main	Back-up	RTC
	Lithium-ion	NiH ₂	Vanadium lithium
10.8 V x 3000 mAH	3.6 V x 120 mAH	3.0 V x 50 mAH	

Resume battery back-up	Main	Back-up	RTC
	1 week (max)	1 day (max)	1 month (RTC only)

Battery life	Model	T3400	T3400CT/T3600CT
	Maximum Life		6 hrs

Input voltage	100 - 240 V AC, self-adjusting
Frequency	50 - 60 Hz
Output voltage	15 V
Output current	1.4 A
Power dissipation	20 W
Weight	260 g

Connectivity & expansion

PC ports	Port replicator ports	PC Expansion
Serial	Serial	PCMCIA Type II slot (cards up to 5 mm)
Parallel	Parallel	Internal memory module slot
External FDD	External FDD	
(S)VGA via video plug on port replicator connector	(S)VGA monitor	
Port replicator connector	PS/2 mouse PS/2 keyboard	

Bundled software and hardware

DOS 6.21
Windows for Workgroups 3.11
PCMCIA Socket and Card Services software
Toshiba screen drivers for Windows
MousePoint configuration software
Video plug for external monitors

Environmental 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% 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	Europe
NEMKO	Norway
DEMKO	Denmark
SEMKO	Sweden
SEV	Switzerland
SETI(EI)	Finland

VDE 0878 level B	Germany/ EC
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VDE 0875 level B	Germany/ EC
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FCC part 15 class B	USA
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CSA 950/223	Canada
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DOC Class B	Canada
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SAA	Australia
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SASO	Middle East
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Options for all models

Article	PA Number
4 MB memory kit	PA2019U
8 MB memory kit	PA2020U
16 MB memory kit	PA2021U
16 MB memory kit (T3600CT only)	PA2023U
Keycaps for German keyboard	PA2210GR
Keycaps for French keyboard	PA2210FR
Keycaps for Scandinavian keyboard	PA2210SC
Keycaps for Swiss keyboard	PA2210 SL
Keycaps for Italian keyboard	PA2210IT
Keycaps for Spanish keyboard	PA2210SP
Keycaps for US keyboard	PA2210USA
AC adaptor	PA2426U E
Car adaptor	CAT 3412 V
Lithium-ion battery pack	PA2481U
Battery charger	PA2482U
Carrying case	TBD
Port replicator	PA2703U
PCMCIA modems (where approved)	TBD
External floppy drive	TBD
PCMCIA ethernet adaptor	PCE-10BC
