
Technical specifications

Processor	Model	Processor	Clock Speed
	T3400/T3400CT	SL Enhanced Intel 486 SX (3.3 volt technology)	33 MHz, (switchable to 16.5 MHz)

System memory	Memory type	Amount	Access speed
	Standard RAM	4096 KBytes	(80 nanoseconds)
Memory expansion	up to 16,384 KBytes	(80 nanoseconds)	
BIOS Flash EPROM	128 KByte	(80 nanoseconds)	
Video RAM	512 KByte	(80 nanoseconds)	
Cache memory	8 KByte on the CPU chip		

Memory size	Standard Memory	4 MB
	Technology	3.3 volt
	No of expansion slots	1
	Expansion card sizes	4 MB, 8 MB, 16 MB

Memory map	Address	Size	Usage
	00000000 - 0009FFFF	640	System working memory
000A0000 - 000BFFFF	128	Video RAM	
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 floppy disk 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	120 MB	200 MB
Formatted capacity	At least 120 MB	At least 200 MB
Data transfer rate to buffer	4.0 MB/sec	4.0 MB/sec
Data transfer rate to media	17- 28.9 MBits/sec	31.6 MBits/sec
Average seek time	15 ms	15 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	2	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	Monochrome Screen	Colour Screen
Screen type	Advanced STN	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	160 120 mm
Diagonal	8.4 inch	7.8 inch
Contrast ratio	17:1 (max.)	60:1
Grey scales/Colours	Up to 64	Up to 256
Response time	??ms	100 ms
Max. Brightness	70 cd/m ²	60 cd/m ²

Graphics Adaptor

Video display/machine	Resolution	Number of colours
Internal VGA (T3400)	640 x 480	Up to 16 grey shades
Internal VGA (T3400)	320 x 200	Up to 64 grey shades
Internal VGA (T3400CT)	640 x 480	Up to 256 colours
External VGA (Both)	640 x 480	Up to 16 colours
External VGA (T3400CT)	640 x 480	Up to 256 colours
External VGA (T3400CT)	800 x 600	Up to 16 colours
External VGA (T3400CT)	800 x 600	Up to 256 colours
External VGA (T3400CT)	1024 x 768	Up to 16 colours

Physical Dimensions

	T13400	T3400C
Size (W, D, H)	251 x 201 x 42.5 mm	251 x 201 x 46 mm
	9.8" x 7.9" x 1.7"	9.8" x 7.9" x 1.8"
Weight	1.8 kg (3.9 lb)	2.0 kg (4.4 lb)
Combined travel weight	2.44	2.64
	(PC + Ext. FDD + mains adaptor + cables)	

Battery Types

Main	Back-up	RTC
Li Ion	NiH ₂	Vanadium Lithium
3.6 V x 980 mAH	3.6 V x 120 mAH	3.0 V x 50 mAH

Resume battery back-up

Main	Back-up	RTC
1 week	8 hours	1 month (RTC only)

Battery life

Model	T3400	T3400C
Maximum Life	6:00	5.0

AC Adaptor

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	240 g

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

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%	10% to 90%
	Non Condensing	Non Condensing
Altitude	-60 to 3,000 m *	-60 to 10,000 m
(relative to sea level)	(-200 to 10,000 feet) *	(-200 to 30,000 feet)
Shock	10 G	60 G
Vibration	0.5 G	1 G

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
VDE 0875 level B	Germany/ EC
FCC part 15 class B	USA
CSA 950/223	Canada
DOC Class B	Canada
SAA	Australia
SASO	

Bundled software & hardware

DOS 6
Windows 3.1
PCMCIA Socket and Card Services software
Special Toshiba drivers
Port replicator
External floppy disk drive
Video plug (for external monitors)
