Technical specifications

Processor

Model	Processor	Clock Speed
T2400 Series	Intel486 DX2^{TM}	50 MHz internally 25 MHz externally
	3.3-volt technology	Switchable speed for power saving
	Integrated numeric co-processor	

System memory

Memory type	Amount	Access speed
Standard RAM	4,096 KBytes (T2400CS) 8,192 KBytes (T2400CT)	(80 nanoseconds)
Maximum memory expansion	20,480 KBytes (T2400CS) 24,576 KBytes (T2400CT)	(80 nanoseconds)
BIOS flash EPROM	128 KB	(150 nanoseconds)
Video RAM	1,024 KB	(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	Conventional memory
000A0000 - 000BFFFF	128	Video RAM area
000C0000 - 000C7FFF	32	Video BIOS ROM (Shadow RAM)
000C8000 - 000CFFFF	32	Reserved
000D0000 - 000DFFFF	64	Reserved
00100000 - 003FFFFF	32	Reserved
00030000 - 00037FFF	32	Backup RAM
00038000 -0003FFFF	64	System BIOS ROM (Shadow RAM)

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/sec	250 Kbit/sec
Bytes per sector	512	512
Sectors per track	18	9

*Adjustment between diskette types is automatic.

Hard disk drive

Specification	T2400CS	T2400CT
Formatted capacity	250 MB	320 MB
Data transfer rate to buffer	11.1 MB/sec	4 MB/sec
Data transfer rate to media	31.6 MBits/sec	29.6 MBits/sec
Average seek time	13 ms	12 ms
Track-to-track seek time	3 ms	3 ms
Drive rotation	4,000 rpm	4,200 rpm
No. of disks	2	3
No. of read/write heads	4	6
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	T2400CS	T2400CT
Screen type	Dual-scan STN colour	TFT colour screen
Number of dots	640 x 480	640 x 480
Dot pitch	0.3 x 0.3	0.27 x 0.27 mm
Display area	195 x 147	170.9 x 129.6 mm
Diagonal	9.5 inch (24.1 cm)	8.4 inch (21.3 cm)
Contrast ratio	18:1 (minimum)	60:1(minimum)
Colours	256 from 4,096	256 from 262,144 colours
Total response time	300 ms (typical)	80 ms (typical)
Brightness	60 cd/m^2	60 cd/m^2

Graphics adaptor	Video mode	Resolution	Number of colours
	Internal VGA	640 x 480	Up to 256 colours
	External VGA	640 x 480	Up to 256 colours
	External SVGA	800 x 600	Up to 256 colours
	External SVGA	1024 x 768	Up to 256 colours
	Colour palette		4,096 (T2400CS)
			262,144 (T2400CT)

Physical dimensions		
	Size (W, L, D)	300 x 223 x 56.6 mm
		11.8" x 8.4" x 2.2"
	Weight	3.17 kg (6.97 lb)

Battery types	Main	Back-up	RTC
	NiH_2	NiH_2	Vanadium lithium
	12.0 V x 2600mAH (NiH_2)	1.2 V x 1100mAH	3.0V x 50 AH

Resume battery- back-up	Main	Back-up	RTC
	5 days	8 hours	1 month (RTC only)

Conditions: battery full, memory 8 MB—less with more memory

Battery life	
	Up to 3.5 hours

AC adaptor		
	Input voltage	100 - 240 V AC, self-adjusting
	Frequency	50 - 60 Hz
	Output voltage	18 V
	Output current	1.1 A max.
	Power dissipation	20 W max.

Software bundled	
	DOS 6.21
	Windows for Workgroups 3.11
	PCMCIA Socket and Card Services
	Toshiba screen drivers for Windows
	MousePoint configuration software

Connectivity & expansion

PC ports	Port replicator ports	PC Expansion
Serial	Serial	PCMCIA Type II slot (cards up to 5 mm)
Parallel	Parallel	PCMCIA Type III slot (expanded version for cards up to 14.5 mm)
PS/2 mouse	PS/2 mouse	Internal sound card slot
PS/2 keyboard	PS/2 keyboard	Internal memory module slot
SCSI 2 socket	SCSI 2 socket	
Port replicator connector	MIDI/Joystick connector	
Audio line in and out (on optional Sound Card)		

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	International
NEMKO	Norway
DEMKO	Denmark
SEMKO	Sweden
SEV	Switzerland
SETI(EI)	Finland
VDE 0878 class B	Germany / EC
FCC part 15 class B	USA
CSA 220	Canada
DOC Class B	Canada
SAA	Australia
SASO	Middle East

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

Options

Article	PA Number
4 MB memory kit	PA2019U
8 MB memory kit	PA2020U
16 MB memory kit	PA2023U
Extra battery pack	PA2429UR
AC adaptor	PA2430U
Car adaptor	Art. no. CAT2412V (Aug.)
Battery charger (with AC adaptor)	PA2422U
5.25" External FDD	PA8718U-E
Keycaps for German keyboard	P2203 GR
Keycaps for French	P2203 FR
Keycaps for Scandinavian keyboard	P2203 SC
Keycaps for Swiss keyboard	P2203 SL
Keycaps for Italian keyboard	P2203 IT
Keycaps for Spanish keyboard	P2203 SP
Keycaps for US keyboard	P2203 USE
Carrying bag	TBD
Port replicator	PA2704U
Sound card (with external microphone)	PA2807U
PCMCIA modems (where approved)	TBD
PCMCIA ethernet adaptor	PCE-10BC