Satellite T2100 Series
Technical Specifications

Processor

Model	Processor	Clock speed
T2100	Intel486 DX2	50 MHz internally
T2100CS	(3.3-volt technology	25 MHz externally
T2100CT	with integrated	
	numeric coprocessor)	

System memory

Memory type	Amount	Access speed
Standard RAM	4, 096 KB 8,192 KB (CT only)	(70 nanoseconds)
Maximum memory expansion	32,768 KB	(70 nanoseconds)
BIOS flash EPROM	128 KB	(150 nanoseconds)
Video RAM	512 KB (mono) 1,024 KB	(80 nanoseconds)
Cache memory	8 KB on the CPU chip	

Memory technology

Technology	5-volt
No. of expansion slots	1
Expansion module sizes	4 MB, 8 MB, 16 MB, 24 MB

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	T2100	T2100CS/T2100CT
Formatted capacity	260 mill. bytes (250 MB)	350 mill. bytes (330 MB)
Data transfer rate to buffer	11.1 MB/sec	11.1 - 13.3 MB/sec
Data transfer rate to media	up to 31.6 MBits/sec	32 - 43.75 MBits/sec
Average seek time	<13 ms	<12 ms
Track-to-track seek time	<3ms	3 ms
Drive rotation	4,000 rpm	3,750 - 4200 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	T2100	T2100CS	T2100CT
Screen type	STN mono	Dual Scan STN colour	TFT colour
Number of dots	640 x 480	640 x 480	640 x 480
Dot pitch	0.30	0.33	0.27
Display area	196 x 147.6	217.2 x 164.4	170 x 129.6
Diagonal	9.5" (24 cm)	10.4" (26.4 cm)	8.4" (21 cm)
Contrast ratio	17.1 (min)	15.1 (min)	60:1(min)
Colours	64 grey scales	up to 222 K	up to 256 K
Response rise/fall	350/200	210/90	30/50 ms
Brightness	70 NIT	60 NIT	60 NIT

Graphics adaptor mono

Resolution	Internal	External
640 x 480	64 grey scales	Up to 256 colours
800 x 600		Up to 256 colours
Palette	Up to 64 grey scales	Up to 256 K colours

Graphics adaptor CT

Resolution	Internal	External
640 x 480	256, 32 K & 64 K colours	256, 32 K & 64 K colours
800 x 600		Up to 256 colours
1024 x 768		Up to 256 colours

	Colour palette	Up to 256 K	Up to 256 K

Graphics adaptor CS

Resolution	Internal	External	
640 x 480	256 colours	256, 32 K & 64 K colours	
800 x 600		Up to 256 colours	
1024 x 768		Up to 256 colours	
Colour palette	Up to 222 K	Up to 256 K	

Physical dimensions

Size (W, L, D)	299 x 226 x 49 mm mono 11.7" x 10.4" x 1.9 mono	x 53 mm CS x 2.09" CS	x 51 mm CT x 2.01" CT
Weight	3.0 kg (6.6 lb)	3.1 kg (6.8 lb)	3.1 kg

Battery types

Main	Back-up	RTC
NiH_2	NiH_2	Vanadium lithium
12.0 V x 2600mAH (NiH_2)	7.2 V x 120 mAH	3.0 V x 50 mAH

Resume battery- back-up

Main	Back-up	RTC
4 - 5 days	5 hours	1 month (RTC only)

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

Battery life

Up to 3 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.

Pre-installed software

DOS 6.22
Windows for Workgroups 3.11
PCMCIA Socket and Card Services 2.0
Toshiba screen drivers for Windows
MousePoint configuration software

Connectivity & expansion

PC ports	Port replicator ports	PC expansion
Serial	Serial	1 PCMCIA Type III slot for cards up to 14.5 mm
Parallel (ECP)	Parallel (ECP)	or 2 PCMCIA Type II slots for cards up to 5 mm
PS/2 keyboard	PS/2 keyboard	Internal memory module slot
Port replicator connector	MIDI/Joystick connector	
RGB	RGB	
	PS/2 mouse	
	External FDD	

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	0 to 3,000 m*	-60 to 10,000 m
(Relative to sea level)	0 to 10,000 feet*	(-200 to 30,000 feet)
Shock	10 G	50 G
Vibration	0.25 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
SASO	Middle East

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

Options

Article	PA number
4 MB memory kit	PA2026U
8 MB memory kit	PA2027U
16 MB memory kit	PA2028U
24 MB memory kit	PA2029U
Extra battery pack	PA2437UR
Battery charger (with AC adaptor)	PA2422UE/UY
Keycaps for German keyboard	PA2213GR
Keycaps for French	PA2213FR
Keycaps for Scandinavian keyboard	PA2213SC
Keycaps for Italian keyboard	PA2213IT
Keycaps for Spanish keyboard	PA2213SP
Port replicator	PA2708U
PCMCIA modems (where approved)	TBD