Satellite Pro T2150CD Series
Technical Specifications

Processor

Model	Processor	Clock speed
T2150CDS T2150CDT	IntelDX4™ (3.3-volt technology with integrated numeric coprocessor)	75 MHz internally 25 MHz externally

System memory

Memory type	Amount	Access speed
Standard RAM	4,096 KB(CDS)) 8,192 KB(CDT	(70 nanoseconds)
Maximum memory expansion	24 576 KB (CDS) 32 768 KB (CDT)	(70 nanoseconds)
BIOS flash EPROM	128 KB	(150 nanoseconds)
Video RAM	1024 KB	(70 nanoseconds)
Cache memory	16 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

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/sec	250 Kbit/sec
Bytes per sector	256	512
Sectors per track	32	9

*Adjustment between diskette types is automatic.

Hard disk drive

Formatted capacity	260 Million bytes (250 MB)	520 Million bytes (500 MB)
Data transfer rate to buffer	11.1 MB/sec	11.1 MB/sec
Data transfer rate to media	31.6 MBits/sec	32 MBits/sec
Average seek time	<13 ms	<12 ms
Track-to-track seek time	<3ms	3 ms
Drive rotation	4,000 rpm	3750 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

CD ROM drive

Supported CD-ROMs	12 cm/8 cm	
Applicable disc format	Red-book, Yellow-book, CD-ROM XA, Photo-CD, CD-Bridge, CD-I Ready	
Rotation speed	200 to 530 rpm (1X)	400 to 1060 rpm (2X)
Sustained data transfer rates Yellow-book mode 1 Yellow-book mode 2	150 KB/s (1X) 171 KB/s (1X)	300 KB/s (2X) 342 KB/s (2X)
Burst (ATAPI interface)	3.33 MB/s	3.33 MB/s
Average random access	385 (1X)	385 ms (2X)
Average full stroke access	650 ms (1X)	1000 ms (2X)

Screens

Specification/Model	T2150CDS	T2150CDT
Screen type	STN colour	TFT colour
Number of dots	640 x 480	640 x 480
Dot pitch	0.33 x 0.33	0.33 x 0.33
Display area	217.2 x 164.4	211.2 x 158.4
Diagonal	10.4 inch (26 cm)	10.4 inch (26 cm)
Contrast ratio	15:1 (minimum)	60:1(minimum)
Colours	222 K palette	256 K palette
Typical response time	90 ms	50 ms
Brightness	60 NIT	70 NIT
Power consumption Average consumption Standby mode	490 mA 80 mA	2.5 W 0.1 W

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 53 mm
		11.7" x 8.9" x 2.0"
	Weight	3.2 kg (7 lb)

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	3.0V 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 8.47
	MousePoint configuration software 6.32
	Windows utilities
	CD-ROM driver
	Companion utilities RCA 70

Connectivity & expansion

PC ports	Port replicator ports	PC expansion
Serial	Serial	2 PCMCIA Type II slots or 1 PCMCIA Type III slot
Parallel (ECP)	Parallel (ECP)	Internal memory module slot
PS/2 keyboard	PS/2 keyboard	
RGB	RGB	
Port replicator connector	MIDI/Joystick connector	
External FDD	External FDD	
Audio in/out	Audio in/out	
External microphone	External microphone	
	PS/2 mouse	

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	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)	PA2436UY
Keycaps for German keyboard	PA2213GR
Keycaps for French	PA2213FR
Keycaps for Scandinavian keyboard	PA2213SC
Keycaps for Swiss keyboard	PA2213SL
Keycaps for Italian keyboard	PA2213IT
Keycaps for Spanish keyboard	PA2213SP
Port replicator	PA2708UY
PCMCIA ethernet adaptor	PCE-10BC
Carrying case	2713372PHI
External diskette drive	PA8718U-E