

# Satellite Pro T2450CT

## Technical Specifications



### Processor

Model	Processor	Clock speed
T2450 CT	Intel486 DX4™ (3.3-volt technology with integrated numeric coprocessor)	75 MHz internally 25 MHz externally

### System memory

Memory type	Amount	Access speed
Standard RAM	8,192 KB	(80 nanoseconds)
Maximum memory expansion	32,768 KB	(80 nanoseconds)
BIOS flash EPROM	128 KB	(150 nanoseconds)
Video RAM	1,024 KB	(70 nanoseconds)
Cache memory	16 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, 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.

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**Hard disk drive**

<b>Specification</b>		
Formatted capacity	320 MB	500 MB
Data transfer rate to buffer	6 - 8.3 MB/sec	6 - 8.3 MB/sec
Data transfer rate to media	24.9 - 36 MBits/sec	24.9 - 36 MBits/sec
Average seek time	<14 ms	<14 ms
Track-to-track seek time	<4ms	<4 ms
Drive rotation	3800 rpm	3800 rpm
No. of disks	2	3
No. of read/write heads	3	6
Coding	1-7 RLL	1-7 RLL
Bytes per sector	512	512
Interleave	1:1	1:1
Interface	IDE	IDE

**Screens**

<b>Specification</b>	
Screen type	TFT colour screen
Number of dots	640 x 480
Dot pitch	0.3 x 0.3
Display area	192 x 144
Diagonal	9.5 inch (24.1 cm)
Contrast ratio	60:1(minimum)
Colours	up to 65,536 from 65,536 colours or 256 from 262,144
Total response time	100 ms (typical)
Brightness	70 cd/m <sup>2</sup>

**Graphics adaptor**

<b>Video mode</b>	<b>Resolution</b>	<b>Number of colours</b>
Internal VGA	640 x 480	Up to 65,536 colours
External VGA	640 x 480	Up to 65,536 colours
External SVGA	800 x 600	Up to 256 colours
External SVGA	1024 x 768	Up to 256 colours
Colour palette		Up to 262,144

<b>Physical dimensions</b>	Size (W, L, D)	300 x 223 x 58.6 mm
		11.8" x 8.4" x 2.3"
	Weight	3.0 kg (6.6 lb)

<b>Battery types</b>	<b>Main</b>	<b>Back-up</b>	<b>RTC</b>
	NiH <sub>2</sub>	NiH <sub>2</sub>	Vanadium lithium
	12.0 V x 2600mAH (NiH <sub>2</sub> )	1.2 V x 1100mAH	3.0V x 50 mAH

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

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

<b>Battery life</b>	Up to 3.5 hours
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<b>AC adaptor</b>	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.

<b>Software bundled</b>	DOS 6.2
	Windows for Workgroups 3.11
	PCMCIA Socket and Card Services 2.0
	Toshiba screen drivers for Windows 8.47
	MousePoint configuration software 6.32
	EZ-SCSI 3.03L
	Windows utilities
	Companion utilities RCA 70

**Connectivity & expansion**

<b>PC ports</b>	<b>Port replicator ports</b>	<b>PC expansion</b>
Serial	Serial	PCMCIA Type II slot (cards up to 5 mm)
Parallel (ECP)	Parallel (ECP)	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**

	<b>Operating</b>	<b>Non-operating</b>
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	-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

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

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## Options

<b>Article</b>	<b>PA number</b>
4 MB memory kit	PA2019U
8 MB memory kit	PA2020U
16 MB memory kit	PA2023U
24 MB memory kit	PA2030U
Extra battery pack	PA2429UR
AC adaptor	PA2430U
Car adaptor	Art. no. CAT2412V
Battery charger (with AC adaptor)	PA2422UE/UY
Keycaps for German keyboard	PA2211 GR
Keycaps for French	PA2211 FR
Keycaps for Scandinavian keyboard	PA2211 SC
Keycaps for Swiss keyboard	PA2211 SL
Keycaps for Italian keyboard	PA2211 IT
Keycaps for Spanish keyboard	PA2211 SP
Keycaps for US keyboard	PA2211 USE
Carrying bag	Art. Nr. 2713372
Port replicator	PA2704U
Sound card (with external microphone)	PA2807U
PCMCIA modems (where approved)	TBD
PCMCIA ethernet adaptor	PCE-10BC