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## Technical specifications

### Processors

Model	Processor	Clock Speed
T6400SX/SXC	Intel 486 SX (can be replaced with a 25MHz 486 DX)	25 MHz
T6400DX/DXC	Intel 486 DX (includes numeric co-processor unit)	33 MHz

### System memory

Memory type	Amount	Access speed
Standard RAM	4096 KBytes	(65 nanoseconds)
Memory expansion	up to 32768 KBytes	(70 nanoseconds)
BIOS ROM	128 KByte	(150 nanoseconds)
Video RAM	512 KByte	(70-80 nanoseconds)
Cache memory	8 KByte on the CPU chip	

### Memory size

Standard Memory	4 MB
No of expansion slots	2
Expansion card sizes	2 MB, 4 MB, 8 MB, 16 MB
Possible memory sizes	4 MB, 6 MB, 8 MB, 10 MB, 12 MB, 14 MB, 16 MB, 20 MB, 22 MB, 24 MB, 28 MB, 36 MB

### Memory map

Address	Size	Usage
00000000 - 0009FFFF	640	System working memory
000A0000 - 000BFFFF	128	Video RAM
000C0000 - 000C7FFF	32	VGA BIOS ROM
000C8000 - 000EFFF	160	Reserved
000F0000 - 000FFFFF	64	System BIOS ROM
00100000 - 003FFFFF	3456	System working memory
00430000 - 013FFFFF	16384	Memory card 1
01430000 - FFFEFFFF	32768	Memory card 2
FFFF0000 - FFFFFFFF	64	System BIOS ROM duplicated

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**Floppy disk drive**

<b>Specification</b>	<b>High setting</b>	<b>Low setting</b>
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 (8)

\*Adjustment between diskette types is automatic.

**Hard disk drives**

<b>Specification</b>	<b>120 MB disk</b>	<b>200 MB disk</b>
Formatted capacity	121.5 MB	212.6 MB
Transfer rate at head	2.5 MB/sec	1.5 MB/sec
Average seek time	19 m/sec	12 m/sec
Track-to-track seek time	8 m/sec	3 m/sec
Drive rotation	3400 rpm	4498 rpm
No. of disks	2	2
No of read/write heads	4	4
Recording method	2 - 7 RLL	2 - 7 RLL
Bytes per sector	512	512
Sectors per track	39	49
Number of cylinders	1522	2119
Interleave	1:1	1:1
Interface	ATR compatible task file interface	

**Screens**

<b>Specification</b>	<b>Plasma Screen</b>	<b>TFT Colour Screen</b>
Number of pixels	640 x 480	640 x 480
Dot pitch	0.33 x 0.33 mm	0.33 x 0.33 mm
Pixel area	160 x 211 mm	160 x 211 mm
Contrast ratio	100:1	60:1
Colours	Orange/black	512 colours
Grey scales	16	8 levels for each gun (RGB)
Line response time	17 ms	50 ms

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**Physical Dimensions**

	<b>Plasma version</b>	<b>Colour version</b>
Size: (H, D, W)	390 x 267 x 85 mm	390 x 267 x 103.5 mm
	15.4" x 10.5" x 3.4"	15.4" x 10.5" x 4.1"
Weight:	5.4 kg (11.9 lb)	5.9 kg (13.0 lb)

**Environmental Conditions**

	<b>Operating</b>	<b>Non-Operating</b>
Temperature	5° C to 35° C	-20° C to 60° C
Relative Humidity	20% to 80% Non Condensing	10% to 80% 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	5 G	60 G
Vibration	0.3 G	1 G
Thermal Gradient	20° C/hour	20° C/hour

**Certification**

UL 478	
IEC 950	
NEMKO	Norway
DEMKO	Denmark
SEMKO	Sweden
SEV	Switzerland
SETI(EI)	Finland
VDE 0806	German/ EC
FCC Part 15 Class B	USA
CSA 220	Canada
VDE 0871 Level B	European market
DOC Class B	USA

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