Technical specifications

Processor

Model	Processor	Clock Speed
T4600/T4600C	Intel 486 SL	33 MHz
	(3.3 volt technology)	(switchable to 17, 8, 4 MHz)

System memory

Memory type	Amount	Access speed
Standard RAM	4096 KBytes	(80 nanoseconds)
Memory expansion	up to 16,384 KBytes	(80 nanoseconds)
BIOS Flash EPROM	128 KByte	(150 nanoseconds)
Video RAM	512 KByte	(80 nanoseconds)
Cache memory	8 KByte on the CPU chip	

Memory size

Standard Memory	4 MB
Technology	3.3 volt
No of expansion slots	1
Expansion card sizes	4 MB, 8 MB, 16 MB

Memory map

Address	Size	Usage
00000000 - 0009FFFF	640	System working memory
000A0000 - 000BFFFF	128	Video RAM
000C0000 - 000C7FFF	32	VGA BIOS ROM
000E0000 - 000E7FFF	32	HardRAM windows
000F0000 - 000FFFFF	64	System BIOS ROM
00100000 - 003FFFFF	3072	System extended memory
00030000 - 00037FFF	32	Shadow BIOS ROM
00038000 -0003FFFF	32	System Management RAM

Conditions: Standard 4 MB system memory.

Floppy disk 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 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 drive

Specification	200 MB disk	340 MB disk
Formatted capacity	213 MB	340 MB
Data transfer rate to buffer	6.5 MB/sec	4 MB/sec
Data transfer rate to media	18.9 - 31.6 MBits/sec	29.6 Mbits/sec
Average seek time	12 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	LCD Screen	TFT Colour Screen
Number of dots	640 x 480	640 x 480
Dot pitch	0.3 x 0.3 mm	0.3 x 0.3 mm
Display area	196 x 147.6 mm	192 x 144 mm
Diagonal	9.5 inch	9.5 inch
Contrast ratio	17:1 (max.)	60:1
Colours	–	512 colours
Grey scales	64	8 levels for each gun (RGB)
Line response time	75 ms	50 ms
Brightness	85 cd/m^2	70 cd/m^2

Graphics Adaptor

Video mode/machine	Resolution	Number of colours
Internal VGA (T4600)	640 x 480	Up to 16 grey shades
Internal VGA (T4600)	320 x 200	Up to 64 grey shades
Internal VGA (T4600C)	640 x 480	Up to 256 colours
External VGA (both models)	640 x 480	Up to 256 colours
External SVGA (both models)	800 x 600	Up to 256 colours
External SVGA (both models)	1024 x 768	Up to 16 colours

Physical Dimensions

	Monochrome version	Colour version
Size (W, D, H)	297 x 210 x 46 mm	297 x 210 x 51.5 mm
	11.8" x 8.4" x 1.8"	11.8" x 8.4" x 2"
Weight	2.9 kg (6.4 lb)	3.2 kg (7 lb)

Battery Types

Main	Back-up	RTC
NiCd (T4600)	NiH_2	Vanadium Lithium
NiH_2 (T4600C)	NiH_2	Vanadium Lithium
9.6 V x 2400mAH (NiCd)	1.2 V x 1100mAH	3.0V x 50 AH
9.6 V x 3000mAH (NiH_2)	1.2 V x 1100mAH	3.0V x 50 AH

Resume battery- back-up

Main	Back-up	RTC
1 week	8 hours	1 month (RTC only)

Conditions: battery full, memory 4 MB; less with more memory.

Battery life

Model	T4600	T4600C
Minimum life	3:00	2:00
Maximum Life	5:00	3:30

AC Adaptor

Input voltage	100 - 240 v AC, self-adjusting
Frequency	50 - 60 Hz
Output voltage	15 V
Output current	2.0 A max.
Power dissipation	30 W max.

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

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 (relative to sea level)	-60 to 3,000 m * (-200 to 10,000 feet) *	-60 to 10,000 m (-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	German/ EC
FCC part 15 class B	USA
CSA 220	Canada
DOC Class B	Canada
SAA	Australia