TANDY MODEL 100

PRICE
£449 inc VAT

DIMENSIONS
300×215×50mm

CPU
8-bit 80C85 CMOS, 2.4 MHz

MEMORY
8K or 24K RAM, expandable in 8K increments to a total of 32K; 32K ROM including software and Microsoft BASIC

SCREEN
LCD 40 columns × 8 lines; 240 × 64 dot-addressable graphics; ASCII and international characters, 39 graphics characters

INTERFACES
Parallel printer, cassette, RS232 serial port, bar-code reader, system bus

LANGUAGES AVAILABLE
Microsoft BASIC

KEYBOARD
Standard typewriter-style 56-key keyboard; embedded numeric pad; 8 programmable function keys; 4 command keys and 4 cursor control keys

DOCUMENTATION
48-page BASIC quick reference guide; 200-page detailed operations manual

STRENGTHS
The Tandy 100 is small yet has most of the features needed for 'serious' computing. Permanent memory and battery operation make it very portable

WEAKNESSES
RAM limitations reduce the practical use of the machine to portable applications only. It would not have the ability to 'transcend' portable status and function as a full desktop computer

DIFFERENCES
Olivetti M10:
57-key keyboard; 47 graphics characters; tilting screen unit; one user manual
NEC PC8201A:
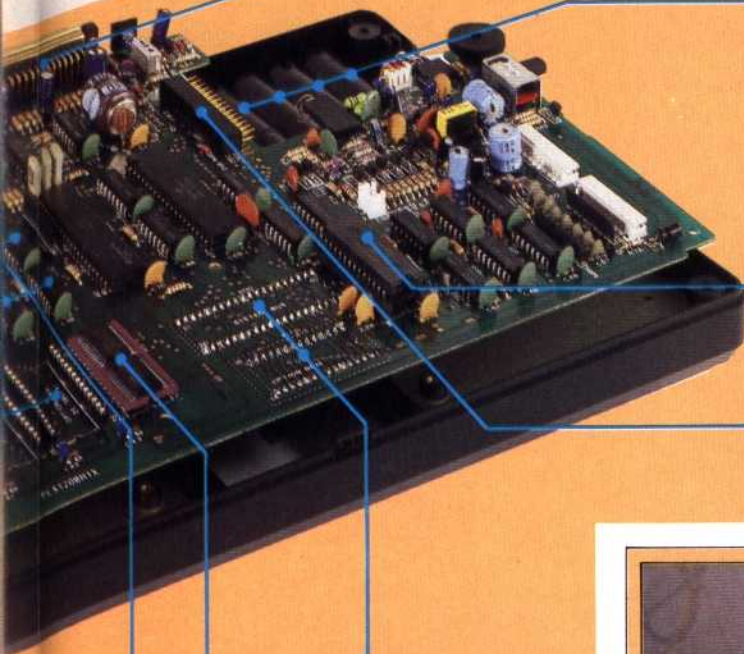57 keys; cursor rose; 5 function keys; 16K RAM expandable to 96K; three graphics characters only

Modem Connector
This is a standard RS232 serial communications port. Telecommunications software is built into the machine

Power Supply
The Model 100 runs for up to 20 hours on 4 'AA' alkaline batteries. Internal memory is maintained for up to 30 days by rechargeable nickel-cadmium batteries, which are automatically recharged when the power is on

Standard ROM
This chip contains the built-in Microsoft BASIC and software
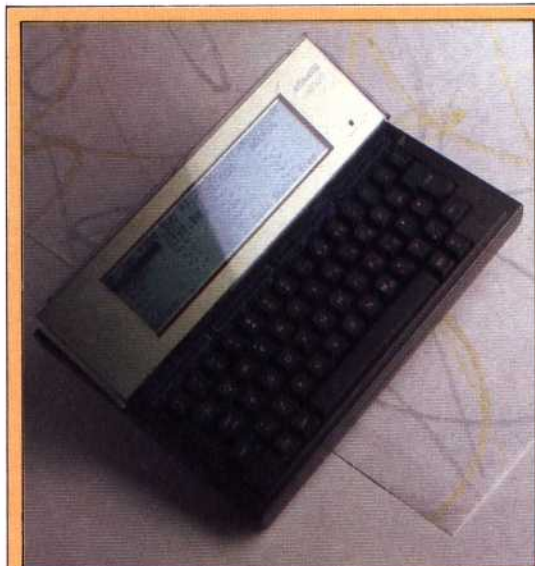
LCD Connector
A ribbon cable connects the LCD screen to the system board here

System Bus and ROM Slots
These empty slots are for future expansion of the system's ROM, and input/output control

Standard 8K RAM

Keyboard Unit
These chips control the input and output of the keyboard, and contain the character sets

Olivetti M10
The Olivetti version of this machine has one interesting touch unique to itself: the LCD screen can tilt up to an angle of about 40° — making the display somewhat easier to read. It has essentially the same keyboard as the Tandy 100, however, and all five standard ROM-based software packages