

# Sirius 1 / Victor 9000 Specification

## Processor Unit

8088 16-bit microprocessor  
128 or 256k bytes RAM (standard)  
335ns cycle time, 64k Bits Dynamic RAM chips  
Four - Expansion slots (internal) for plug-in card options  
Two - RS232 serial com ports. Standard 25 female connectors  
One - Centronics parallel printer port  
Two - 8 bit parallel User Ports (50 pin ribbon connector on CPU board)  
Memory expansion to 896k bytes  
8k bytes of ROM (boot and diagnostic)  
4k bytes of screen (static) RAM  
Self regulating power supply  
Optional 8087 NPX co-processor  
Average seek time approx 85 mili-seconds  
Head settling time 15 ms: Latency 8.33ms

## Keyboard

Separate 8048 microprocessor  
Software definable 7 or 10 soft function keys  
Full IBM Selectric II (56 key) keyboard layout  
Type ahead buffering to 32 levels and full n-key rollover  
Capacitive keyswitches rated for 100 million operations  
keyboard contains PCB with on-board drivers

## Display System

25 line x 80 column screen: Characters 2 x 12 pixels in a 10 x 16 cell  
50 line x 132 column screen mode - software selectable  
12 inch (30 cm) picture tube with P39 green phosphor  
Stabilized display circuit  
Built in 'Sunflex' optical display filter  
Adjustable horizontal viewing angle ( ± 45° swivel)  
Adjustable vertical viewing angle ( 0° to +11° tilt)

## Disc Drives

Single side floppy 5¼ (130mm) Max capacity 620.544kb per side  
Double side floppy Max capacity 121.6512kb (1.2 M byte)  
Internal 10M byte hard disk plus one 1.2M byte floppy  
Internal 30M byte hard disk plus one 1.2M byte floppy  
Single side floppy 80 tracks at 96 TPI (620544Kb)  
Double side floppy 160 tracks at 96 TPI (1216512Kb)  
Floppy's have 512 byte sectors: Using a GCR, 10-bit recording technique  
Floppy disc access times:  
2 micro-second per bit data transfer rate  
Interleave factor of 3  
Average seek time approx 94 milli-seconds  
Track-to-track step time 3ms: Latency 100ms  
Hard drive access times  
0.2 micro-second per bit data transfer rate  
Interleave factor of 5

## Electrical

Input voltage 90-137 VAC or 190-270 VAC (Selected by internal jumper)  
Voltage frequency 47-63 Hz  
Output voltage regulated +5 VDC and +12 & -12 VDC  
Output voltage un-regulated +12 VDC

