



# Announcing

FROM JAPAN

# SORD

# M 100

## PERSONAL COMPUTER

### SPECIFICATIONS:

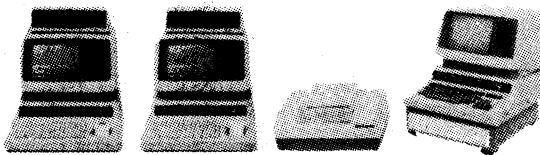
- CPU: Using a Z-80 microcomputer chip.
- ROM: Up to 8K bytes capacity.
- RAM: 16K bytes (M110) or 32K bytes (M120)
- Keyboard: Full ASCII keyboard and 20- BASIC command keys
- Controllers: Audio cassette 2-channel CRT monitor controller.
- Interfaces: Modem interface (RS232C) with edge connector.  
8-bit Digital input output.  
Journal printer interface.  
8-bit 2-channel AD converter and joystick.
- Speaker: 2octave output speaker.
- S100: Bus signal edge connector.
- Clock: Provided.
- Optional Units:
  - Power supply: input 230V 50Hz, output 5V, 4A and 12V, 0.5A for M100 CPU.
  - Colour graphic (256 x 192 dots) display controller.
  - black & White TV monitor (24 lines of 64 characters).
  - Colour TV monitor.
  - S100 Bus extension cabinet.
  - 8 outlet power control box.



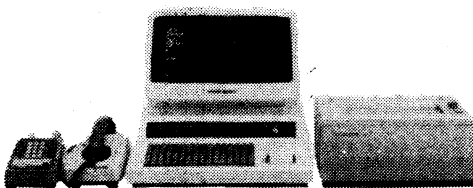
Black & White TV monitor (option)

M100 Central Unit

### the M200 Series Family



- M220 Standard Model with optional dual mini-floppy disk drive
- M230 Laboratory Model and printer
- M252 Cash Register Model



● M270 TTS Model, coupler and printer

### Z-80 on S-100

In the low price system range, SORD introduces a versatile computer . . . fully packed four key components and powerful software . . . Z-80 CPU on S-100 bus, CRT monitor display, mini floppy discette and discharged-type printer . . . High speed extended BASIC for data processing.

It's SORD SMALL BUSINESS COMPUTER M220.

#### Specifications:

- CPU: Using a Z-80 microcomputer chip.
- ROM: Mask programmable variety
- RAM: 48K bytes capacity, accessed by Z-80 through CRT display priority
- Memory: Can be boosted up to 128K bytes (RAM + ROM) capacity
- Mini floppy diskette. Compact in size 5-inch diskette with 35-track, 71.5K bytes format capacity. Each track is of 8 sectors with 256 bytes, 125K bits per second and 300 RPM. Standard floppies available on Model M280.
- Keyboard: Easy-to-operate, multi-purpose, intelligent-type 124-key system. 26 designated keys with four commands for frequently used characters in BASIC. Four mode and five shift keys. LEDs prevent operational errors. Normal Reverse mode. Special keyboard arrangements available upon request.
- CRT display: Built in. 12-inch flat face braun tube, 24 lines of 80 characters, 186 different alphanumeric and signals for a total of 1920 characters by means of dot matrix, Normal-Reverse mode. Graphics on a character-by character base.
- Printer: Built in. Discharged type. Max. 2 lines of 40 characters per second. All 1920 characters in BASIC.
- I/O Serial port: 2 RS 232C serial ports for MODEM, Teletype, and a switch selectable additional audio cassette interface.
- Software: SORD Extended BASIC Plus.
- Optional Units AtoD, DtoA converters, high speed line printer, DI/DO, IEEE 488 Interface Bus (HP-IB), MODEM, typewriter keyboard on M222.

All models have powerful software available: **SORD** extended basic, and Fortran IV, commercial accounting, word processing and property management systems.

**Australian Distributors: ABACUS EDP SERVICES PTY LTD,**  
**66-68 Albert Road, South Melbourne, Vic. 3205, Tel (03) 699-8555**  
**2 O'Connell Street, Sydney, NSW 2000. Tel. (02) 232-8899**

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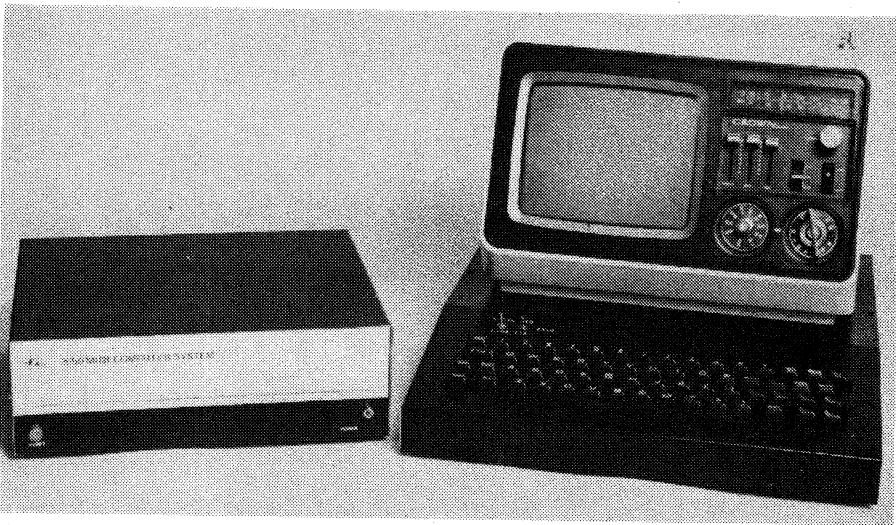
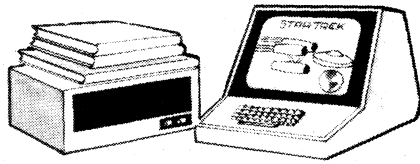
We are interested in:

- (a)  A Dealership
- (b)  Additional Information
- (c)  Buying a **SORD** Series Computer

Please contact:

M .....  
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# puter oducts



## **Japanese system**

An integrated personal computer system claimed to be competitive with the Tandy TRS-80 and Commodore PET systems is now in production at Sord Computer Systems, Inc. in Japan. Called the M100 Personal Computer, the new system appears to be a scaled-down version of the firm's established S200-series small business systems.

The Sord M100 comes in a single case, with integral keyboard and power supply. It includes an inbuilt video controller and buffer, for use with an external TV receiver or monitor. Cassette tape interfaces are also built in, as are an 8-bit parallel interface and two 8-bit analog to digital conversion inputs for joystick interfacing.

The system is based on the Zilog Z-80 microprocessor, and has an 8k BASIC interpreter resident in ROMs. Either 16k or 32k of RAM may be supplied, and the system may also be expanded as desired via an S-100 edge connector. A 2-octave D-to-A output with speaker is inbuilt, also.

Options available include a colour graphics display controller, an S-100 bus extension cabinet and a monochrome TV monitor.

Further information on the M100 is available from Abacus EDP Services Pty Ltd, 66-68 Albert Road, South Melbourne 3205.

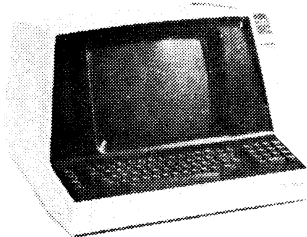
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120

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A CAPABLE LOW COST, APPROACH TO REMOTE VIDEO DISPLAY TERMINALS

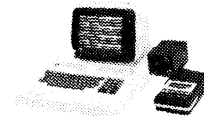


- cursor control keys
- numeric key pad
- line & page erase
- addressable cursor
- RS 232 interface
- non-glare readout screen
- switch selectable transmission from 75 to 19,200 bps

**Recommended \$1245**

**INTRODUCTORY PRICE \$1160**

## SORD



### 4 MODELS TO SUIT ALL REQUIREMENTS

M110A MODEL \$940.00

- CPU: Z80
- Memory: 4K ROM (max 8K) 16K RAM (max 32K)
- Full ASCII Keyboard & 20 BASIC command keys.
- Audio Cassette controller — 2 channel.
- CRT monitor controller.
- RS232C interface.
- 8 bit digital I/O
- Journal printer interface.
- 2 octave output speaker.
- Digital clock.
- 8 bit 2 channel A/D converter & joystick.
- S100 bus signal edge connector.

M110B model \$1236.00

Same as above plus an additional 16K of RAM.

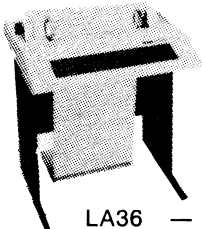
M170A \$1482.00

- Includes all of M110A model
  - black and white TV monitor (24 lines x 64 characters)
  - one cassette unit
  - power supply box
  - M170B \$1777.00
- Same as M170A model plus an additional 16K of RAM.

#### OPTIONS

- S100 BUS extention cabinet
- Colour Graphic (256 x 192 dots) display monitor
- Colour TV monitor

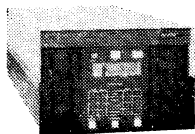
### DIGITAL



**LA36  
Decwriter II  
keyboard  
printer  
terminal**

- LA36 — \$1625.00
- LS120 — \$2825.00
- LS180 — \$2325.00
- VT100 — \$1865.00

### MICRO FILE



**BASIC CONFIGURATION  
7K ROM 8K RAM**

**\$4,800.00** Inc. 2 x 8in disc drives  
Each additional 16K RAM \$750.00  
Max capacity = 56K RAM.

### SOFTWARE

**BUSINESS APPLICATIONS  
AND MANY OTHERS**

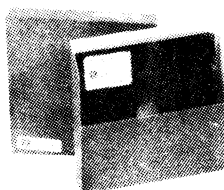
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### CONSUMABLES

**BUY 10 GET ONE FREE**

FLOPPY DISCS (5") \$4.25 ea.  
FLOPPY DISCS (8") \$4.60 ea.



### BOOKS & MAGAZINES

Obviously we've run out of room to list all our titles but we will be carrying all the current magazines and many, many books ranging from "How to Select the Right MPU for You" to "Complex Fault Finding".

**Plus: LOTS LOTS MORE**

# ABACUS COMPUTER STORE

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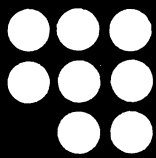
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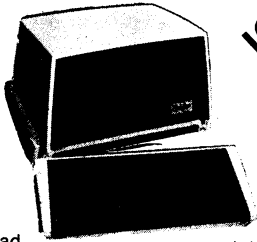
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# abacus

## MELBOURNE'S FIRST TRUE COMPUTER STORE

IQ 120 **SOROC** IQ 140



### Soroc IQ 120

- Cursor Control Keys
- Numeric Key Pad
- Line and Page Erase
- Addressable Cursor
- Switch Selectable Transmission from 75 to 19,200 bps
- Communication Mode: HDX/FDX/Block
- Interfaces: Printer Interface/RS232 Extension
- RS232C Interface
- Non-Glare Read Out Screen
- Protect Mode
- Tab

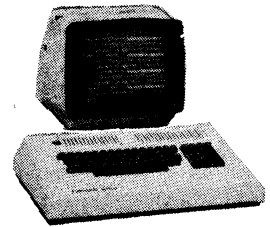
**IQ 120**  
**\$1245**

**IQ 140**  
**\$1850**

**Soroc IQ 140 ILLUSTRATED**  
a price/performance breakthrough in professional terminals. All the capabilities of the IQ 120, plus a score of user-oriented features. Screen edit, status/mode conversion, wrap-around insert/delete, reverse video are just a few. Controllable from 16 function keys on the detachable keyboard. Limited availability so order now.

- status/mode indicator line on screen
- printer port & block mode
- switch-selectable baud rates, 110-19200
- field protect, dual intensity
- polling capability optional

# SORD



### 4 MODELS TO SUIT ALL REQUIREMENTS

#### M110A MODEL \$985.00

- CPU: Z80
- Memory: 4K ROM (max 8K) 16K RAM (max 32K)
- Full ASCII Keyboard & 20 BASIC command keys.
- Audio Cassette controller — 2 channel.
- CRT monitor controller.
- RS232C interface.
- 8 bit digital I/O
- Journal printer interface.
- 2 octave output speaker.
- Digital clock.
- 8 bit 2 channel A/D converter & joystick.
- S100 bus signal edge connector.

#### M110B model \$1281.00

Same as above plus an additional 16K of RAM.

#### M170A \$1527.00

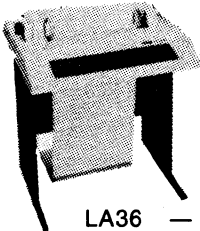
- Includes all of M110A model
  - black and white TV monitor (24 lines x 64 characters)
  - one cassette unit
  - power supply box
- M170B \$1822.00**  
Same as M170A model plus an additional 16K of RAM.

#### OPTIONS

- S100 BUS extension cabinet
- Colour Graphic (256 x 192 dots) display monitor
- Colour TV monitor

## DIGITAL

**BRAND NEW  
LA36  
Decwriter II  
keyboard  
printer  
terminal**



LA36 — \$1625.00  
LS120 — \$2825.00  
LA180 — \$2325.00  
VT100 — \$1865.00

## WE NOW HAVE THE OHIO SCIENTIFIC COMPARE AND BUY

### CHALLENGER 1

- Superboard \$335.
- Complete 16KB and Mini Floppy \$1,428

### CHALLENGER 2

- 20KB and Mini Floppy \$1,840
- 32kB & Dual 8" \$3,116

### CHALLENGER 3

- 48kB dual 8" floppy \$6,108
- With 74M byte disk \$13,680

## SOFTWARE

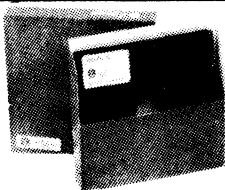
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FLOPPY DISCS (5") \$4.60 ea.  
FLOPPY DISCS (8") \$4.80 ea.  
DIGITAL CASSETTES TAPES  
ALSO COMPUTER PAPER, DISC PACKS,  
MAG CARDS, TAPE CARTRIDGES, ETC.



## BOOKS & MAGAZINES

Obviously we've run out of room to list all our titles but we do carry all the current magazines and many, many books.

**Plus: LOTS LOTS MORE**

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ALL QUOTED PRICES ARE EXCLUSIVE OF 15% SALES TAX.

## Microcomputer News & Products

### Sord Mark VI computer system



Mitsui & Co (Australia) Ltd recently released details of their new Sord Mark VI computer system, the M200. The system uses a Z80A (4MHz) CPU, in conjunction with an arithmetic processing unit (ALU) and an 8M byte disk drive. Mathematical operations formerly processed by software are now carried out by a special LSI processing unit, and a Z80 CPU is also incorporated in the disk controller, resulting in a processing speed three to five times faster than previous Sord models.

The mark VI includes a 350K byte mini-floppy disk drive as standard, to provide back-up support for the Winchester-type hard disk drive. Extensive software is available for the system, including business application programs, a relocatable assembler, Cobol, Fortran-IV, and several versions of Basic adapted

to various special purposes, including "EBasic", which works with the APU.

Details can be obtained from The Small Business Computer Company, 200 Pacific Highway, Crows Nest, NSW, 2065.