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Computer Users Are Demanding Changes

The day before yesterday's dependency on a large computer facility accessed via a communication line and a terminal has begun to give way to yesterday's stand alone personal computer facility. A desk top personal computer still had the limitation of needing a desk and a *source of electric power*. It was also quite bulky and difficult to transport easily.

In late 1982 and early 1983 the first portable computers began to appear on the market. These early portables were not generally accepted due to their severe limitations on memory, processing power, data storage and display capabilities. In 1984 new portable computers were released which addressed many of the shortcomings of the earlier machines but they still did not provide a really useful range of capabilities.

The increasing power and sophistication of desk top micros over the past two years plus the evolution of the portable computers released in 1983 and 1984 served the very useful purpose of clearly defining what is really required by 1985's computer user. In essence this requirement can be defined as:

"The communications power of a mainframe terminal with a wide range of built in, easy to use application software with the capability of being used virtually anywhere."

What is required is a portable computer which completely addresses all of today's needs by combining the power of the very latest display, memory and processor technology in a simple, low volume battery operated package. Add a very wide range of software application programs and you have the ultimate solution for today.

The TIME Kookaburra Meets These Key Objectives

No compromises was the philosophy TIME adopted in designing and manufacturing the Kookaburra computer. This means that you get:

Faster processing than most desk top computers and mainframes.

Truly lightweight transportability.

Access to 3000 plus 'industry standard' application programs.

The ability to 'talk' to most other computers.

Electric mains free operation for more than a working day.

Freedom to operate your system in the way that suits you best.

No compromises in providing you with exactly what you need, has been achieved at a very economical cost. The Kookaburra has made this possible by only implementing the very latest hardware and software technology and by using optimally cost/effective manufacturing methods.

No compromises has ensured that you will not be buying a 'fashion item' but will be investing in a long term computer facility. The Kookaburra provides ALL the functions you need at an office, at home or on the move and provides them in the way that's most useful to you in these different environments in the way most suited to the different conditions under which you will be operating your computer system.



A Wide Range Of Options

The basic Kookaburra provides you with a very useful computer system that includes:

96000 characters of USER memory

16 line display

MS DOS operating system communications software

Word Processing and Spread Sheet software

Personal Planner and phone/address manager

Battery power pack (inbuilt)

Multiple peripheral interfaces

All the above software is in ROM cartridges which ensure in the field reliability.

For many users the basic model of the Kookaburra will provide all the facilities that are required for their initial needs. However, there are many options available to the user to make the Kookaburra exactly fit a wide variety of requirements.

Displays

8, 16 or 25 line displays are provided for the Kookaburra. All versions also have, as a standard feature, the ability to connect an external high resolution video monitor.

Memory

The Basic 96K memory in the Kookaburra can be incremented in 8K modules up to a maximum of 256K.

Printers

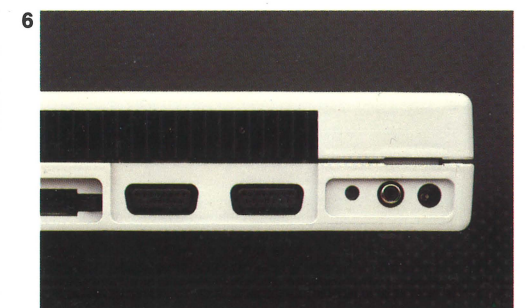
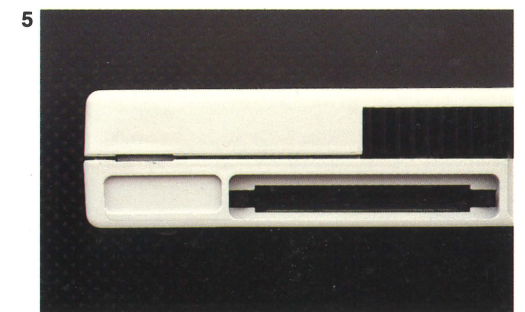
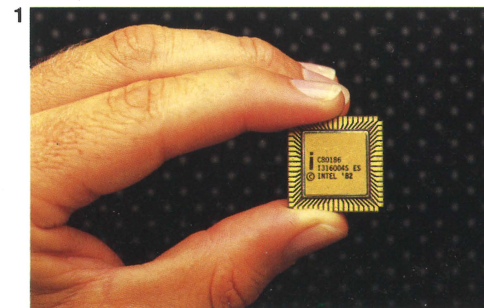
Either parallel or serial printers may be connected to the Kookaburra via the 2 serial ports and 1 parallel port that are provided as standard.

Data storage

One or two 5.25" floppy drives or one 3.5" floppy drive may be added to provide access to standard MS DOS software and/or additional data storage.

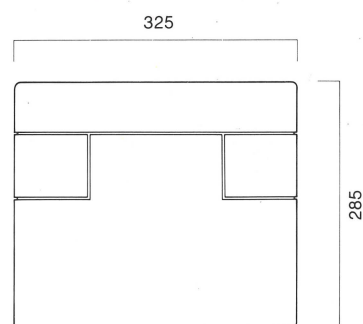
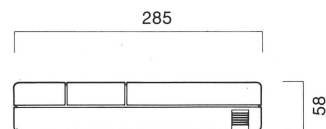
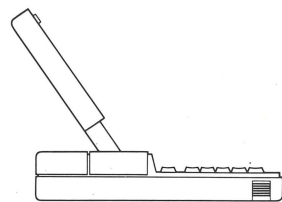
Power And Flexibility

- 1 The Kookaburra's Processor is more powerful than most desk top computers and delivers up to 8 times more performance than most competitive portable systems. The processor can run any standard MS DOS software.
- 2 Removable ROM Cartridges (each holding either 32K or 64K of information) are very useful ways of loading programs into your system. The Kookaburra's Word Processor, Spreadsheet and Basic are supplied on these ROM packs. ROM Based software is of course much faster than floppy disk based software.
- 3 True portability requires battery longevity. The Kookaburra's rechargeable battery provides 8 hours of continuous keying. In practice this gives about 3 days use without resort to mains power as the Kookaburra uses virtually no power unless a key stroke is being processed.
- 4 The Kookaburra's LCD is the clearest available but there are times when a user would prefer to use a video monitor. Inbuilt as a standard feature is a monochrome video monitor driver and connector to give you the choice of how you display your data.
- 5 The Kookaburra comes with a great deal of inbuilt power and storage. The 60 pin bus expansion slot allows the connection of single or dual floppy drives or a hard disk drive. The Kookaburra snap-on 3½" floppy drive is very neat and easy to carry.
- 6 Connection to printers, communication lines and other computers is made easy by using the two serial ports and one parallel port provided as standard features. Communication speeds are software variable between 150 baud and 9600 baud.





Kookaburra Hardware Characteristics



Physical	
Depth	285mm
Width	325mm
Height	58mm (display closed) 250mm (display open)
Weight	4kg nominal
Power	3A @ 7VAC (External Power) Internal Ni-Cad Batteries (5 D size cells) Approximately 8 hours use depending on application.

Liquid Crystal Display	
Screen Size	245mm diagonal nominal display width 230mm nominal display height 60mm nominal
Resolution	128 x 480 pixels organised as 8, 16 or 25 lines x 80 characters upper and lower case

Character Set	256 characters
Adjustments	Contrast adjustable from keyboard Screen tilt adjustable 20 degrees nominal

Video Display Output	
Resolution	24 lines x 80 characters 7 x 9 upper case characters within 9 x 15 dot character field, 3 dot descender underline and reverse video outline. Normal and Reverse video Blinking and High intensity

Character Set	128 Characters
Adjustments	Video horizontal position adjustable from rear panel
Refresh Rate	50/60 Hertz
Video Output	Composite video signal through RCA connector

Keyboard	
Layout	76 keys, full QWERTY with 12 function keys, 4 arrow keys and help key

Size	125mm x 280mm nominal
Keysite Spacing	19mm

Feedback	Tactile, aural (tone burst, selectable from keyboard)
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Repeat	Auto repeat at 10 characters per second after 0.6 seconds delay
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Interfaces	
Serial	2 x RS-232-C standard serial ports Software selectable baud rate 150-9600 bps

Parallel	1 x parallel Centronics style input/output port; standard (5 volt) logic levels
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Bus Expansion	60 pin bus expansion socket
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Floppy Disk	Either 2 x 5 1/4" (External) or 1 x 3 1/2" (Clip on)
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Electronics	
Processor	16 bit 6 MHz Intel 80186 cpu
Memory - Internal	128K Bytes Rom Up to 256K Bytes battery backed Ram (standard 96K)
- Expansion Paks	Up to 2, each with up to 128K Bytes Rom
- External	Up to 256K Bytes Ram
Real Time Clock	with alarm capability & world time zones
Mass Storage	Up to 160K Bytes Battery backed Ram disk drive (32K standard), part of internal memory

Operating Environment	
Power Supply	240V -/ + 10% 50/60 Hz or 110V -/ + 10% 50/60 Hz
Temperature	0-40 degrees Celsius operating 0-60 degrees Celsius storage
Humidity	92% RH (Non Condensing)

Software Characteristics	
Operating System	MS DOS 2.11
System Utilities	Microsoft Command Interpreter Chkdsk

Applications	Diary/planner word processor spreadsheet address/telephone book communications Microsoft Basic (optional) General Accounting (optional)
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TIME. Office Computers

TIME. Office Computers Pty. Limited.
Incorporated in NSW.
Designed and Manufactured in Australia.

Sydney

221 Miller Street, North Sydney, NSW 2060.
Telephone (02) 957 3333
Telex 22056 TIMEHQ

Melbourne

Ground Floor, 63 Stead Street,
South Melbourne, Victoria 3205.
Telephone (03) 690 2633
Telex 35896 TIMEV

Canberra

64 Northbourne Avenue,
Canberra City, ACT 2601.
Telephone (062) 48 6355
Telex 61735 TIMEACT

Brisbane

Second Floor, Kenlynn Centre,
457 Upper Edward Street, Brisbane,
Queensland 4000.
Telephone (07) 839 8455
Telex 44130 TIMEQ

Adelaide

27 College Road, Kent Town,
South Australia 5067.
Telephone (08) 42 9288
Telex 87265 TIMESA

Perth

First Floor, 34 Colin Street, West Perth,
Western Australia 6005.
Telephone (09) 322 2368
Telex 94723 TIMEWA

Hobart

8 Montpelier Retreat, Battery Point,
Tasmania 7000.
Telephone (002) 23 2564
Telex 57177 TOPMAN

Papua New Guinea

C/- National Computer Centre,
PO Box Wards Strip, Waigani,
Port Moresby, New Guinea.

Distributor