

**DRAGON** Data Ltd. **64**



INTRODUCING THE NEW DRAGON MICRO

NO FREE POWER TO



# YOUR DRAGON

As computer technology continues to advance, so does the power of your Dragon. Our new Dragon 64 provides a series of new

exciting features while retaining all the desirable attributes of its forerunner the Dragon 32. It has been designed specifically for the fast growing number of people who want not only to be able to use their Dragon computer in the home, but also as a business machine.

The new business software has been developed from professional software, especially for the Dragon 64. Here are just some of the new features which will make your Dragon 64 a more than capable business machine, whilst not detracting from its suitability for entertainment and education in the home.

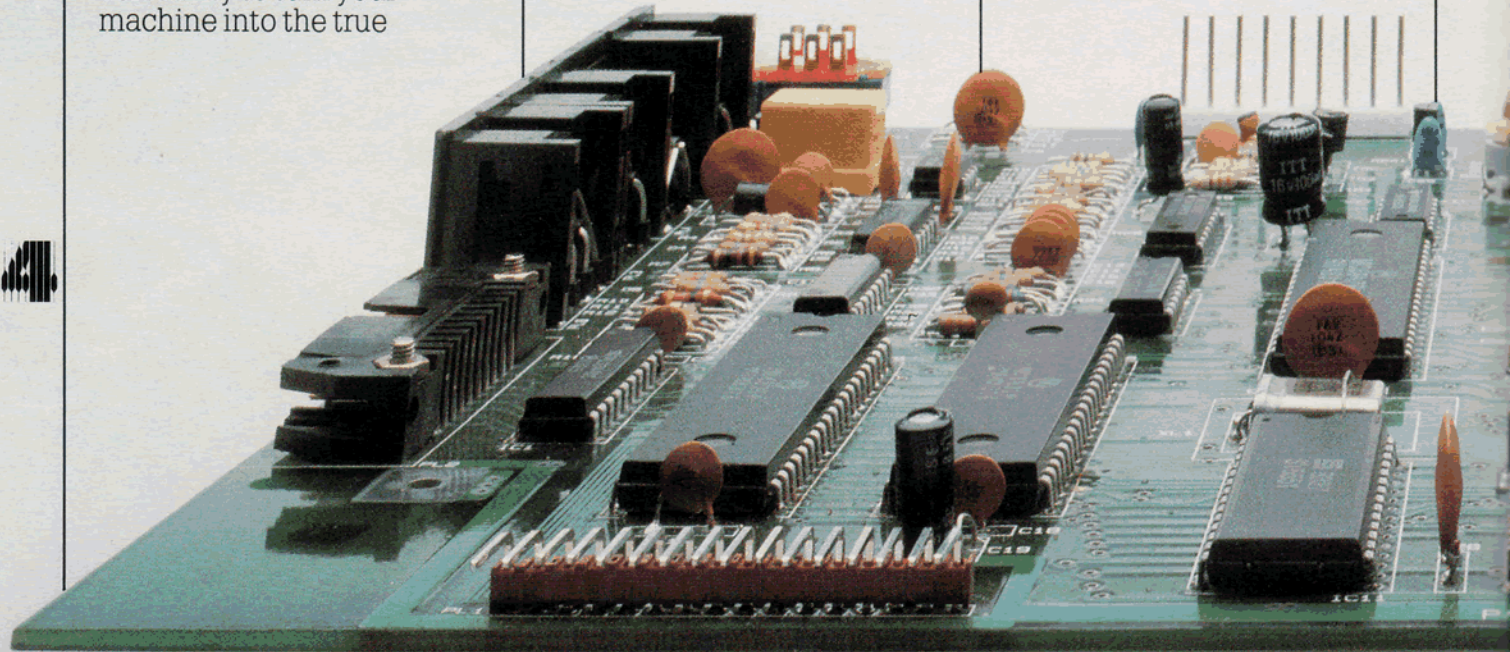




With the variety of new software becoming available, the new Dragon 64, with its greatly enhanced memory capabilities, gives you the increased power and versatility to turn your machine into the true

professional that it is. While normally a 32K memory should prove more than adequate for the home user, occasions do arise when a larger memory is necessary. This is especially true when

storing large quantities of data for business purposes. For this reason, the Dragon 64 is now equipped with a memory twice the size of the Dragon 32.

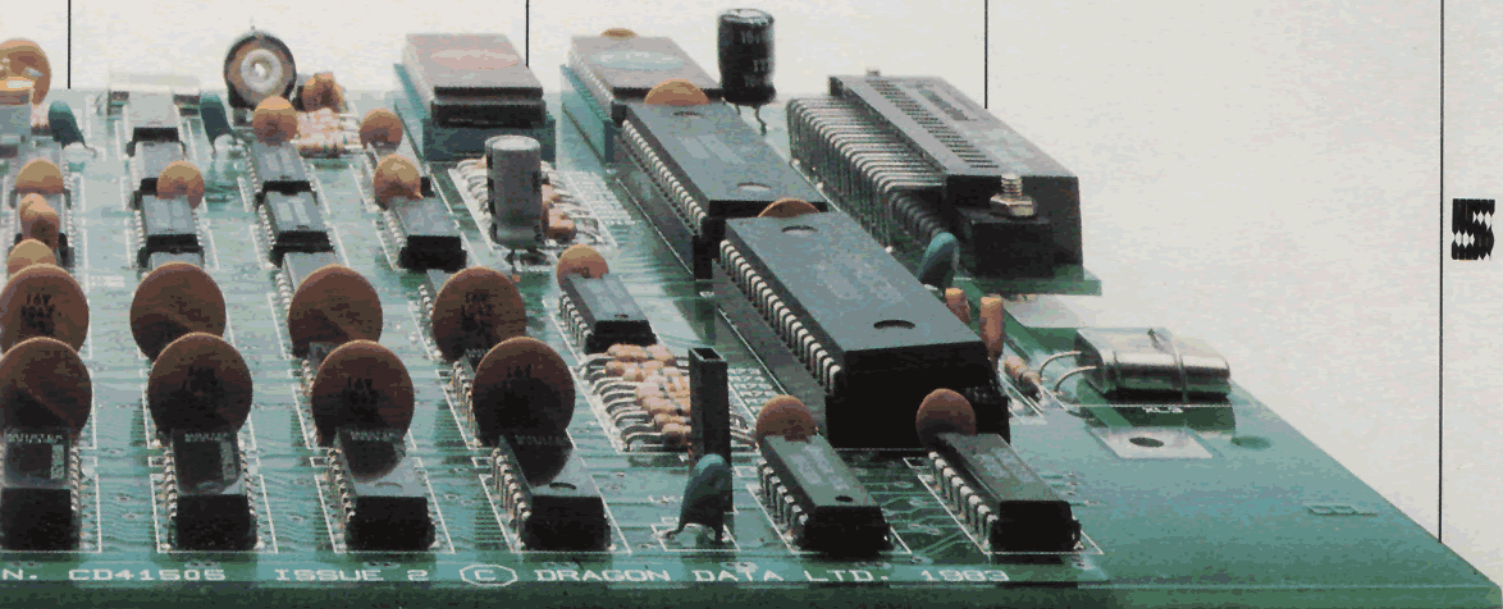


# MEMORY

Whether you wish to use existing software, or write your own, the three operating modes available allow you to choose from a wide range of tasks that the Dragon 64 can accomplish.

The '32K Mode' permits you to use 32K RAM. The '48K Mode' gives 48K of RAM while 16K is used to store the basic interpreter, allowing the full use of Microsoft BASIC, and a

larger memory for the creation of your own software. The 64K mode enables the full use of 64K which is essential for using the sophisticated operating system.





As well as having the same parallel printer port as the Dragon 32, the 64 gives you a serial RS232C input and output port. This opens up to the Dragon 64 a completely new role in the

world of computers. It allows your Dragon to communicate directly with other Dragon 64's, or any other micro which has an RS232C port. It is also

possible for your Dragon 64 to be used as a terminal of a larger, mainframe computer, communicating via your telephone and the RS232C port.

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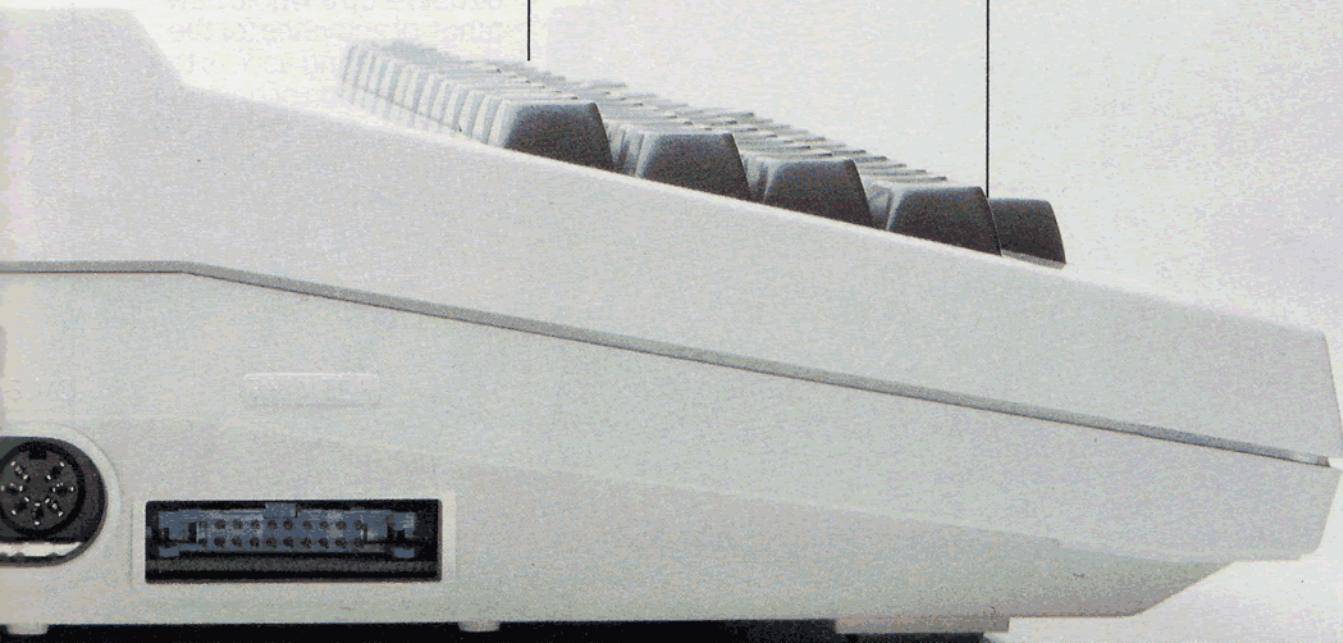




Of course it also allows you to connect your Dragon to a far wider range of printers and other peripherals, including plotters and electric

typewriters — in fact, any piece of equipment which has an RS232C port. Those peripherals available at present to run on the Dragon 32, will operate just

as successfully on the Dragon 64. Additionally, the PAL composite video interface allows connection to a high quality colour or black and white monitor.



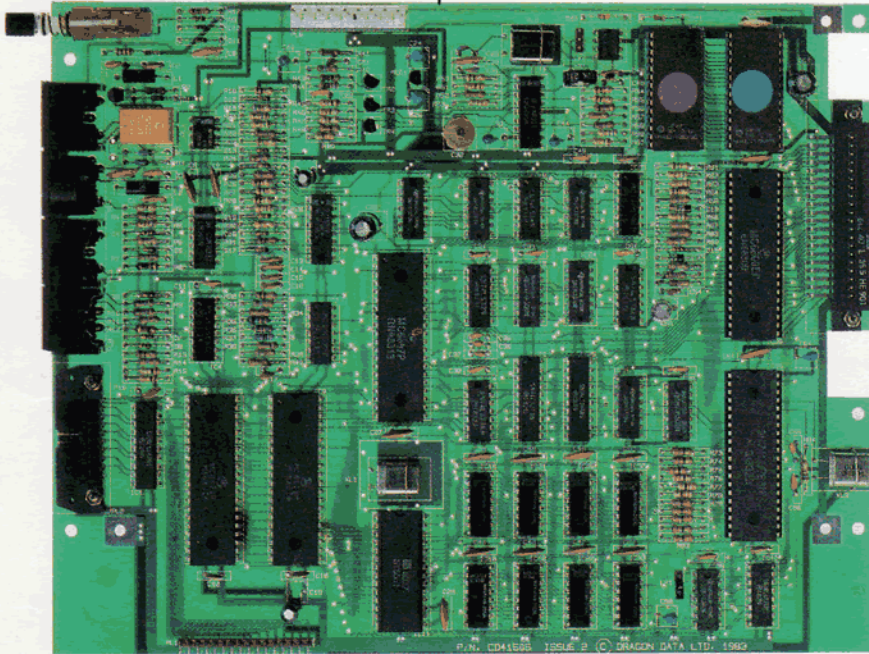


The reason that software writers have produced such an abundance of new languages and software packages for this machine is due to the efficiency of

the 6809 microprocessor used by Dragon Data, compared to the 8055 and 6502 processors preferred by some of our competitors. The 6809 contains many

16-bit registers which allow flexible address mode capabilities, making high level language implementation more practical.

The disk-based OS-9 operating system for the 64 opens up a whole new range of activities for the Dragon, giving access to a wide selection of business software, including packages for stock control, invoicing, accounting, payroll and even spreadsheet analysis.





# SOFTWARE

For business use, Dragon's typewriter-style keyboard gives it the edge over any comparably priced machine and if you thought that 16 lines of 32 column upper case text was an insurmountable barrier,

think again. Skilful use of the high resolution graphics facilities allows up to 24 lines of 51 column text in both upper and lower case letters allowing more convenient screen handling.

In addition, in the 64K mode, auto repeat is available on all keys which can cut down on those precious seconds.



# WORD LANGUAGES

With the addition of new languages such as PASCAL and C, the Dragon 64 is converted into a veritable 'linguist' and provides you with a greater variety of programming capabilities, and for those with the urge to master 6809 Assembler code, there is a complete Editor/Assembler and debugging tool.

It is important to note that all the extra features of the Dragon 64 are in addition to, and not at

the expense of, those possessed by the 32 model.

The high resolution display of 256 x 192 pixels is retained and all the currently available Dragon data software both on plug-in cartridge and cassette will run on the 64. In addition, the Dragon disk drive is compatible with both the 32 and 64 machines facilitating loading and data file handling.



# TECHNICAL SPECIFICATIONS

<b>MICROPROCESSOR</b>	6809E
<b>MEMORY</b>	64K RAM 16K ROM with 4 pages graphics 41K
<b>ANALOG/ DIGITAL PORTS</b>	RS232 serial interface, 2 joysticks, cassette I/O plus 1 Centronics parallel printer port.
<b>OTHER OUTPUTS</b>	1 x 40-line connector with data lines for ROM hardware and peripheral expansion; 1 x UHF TV output with sound and video signal; 1 x monitor output for PAL-encoded composite video and sound.
<b>KEYBOARD</b>	53 keys, typewriter-style full QWERTY keyboard; optional auto-repeat on all keys; guaranteed for 20 million strokes.
<b>DISPLAY TEXT</b>	Black on green with 32 characters x 16 rows; 51 characters x 24 rows when using OS-9; blue cursor when in 48K mode.
<b>GRAPHICS</b>	32 x 16 — 9 available colours; 64 x 32 — 9 available colours; 128 x 96 — 2 sets of 2 colours; 128 x 96 — 2 sets of 4 colours; 128 x 192 — 2 sets of 2 colours; 128 x 192 — 2 sets of 4 colours; 256 x 192 — 2 sets of 2 colours.
<b>SOUND GENERATION</b>	Through TV speaker or external amplifier.
<b>GRAPHICS GENERATION</b>	Full microsoft extended BASIC giving advanced features such as — line, draw, circle, paint, print, etc.



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