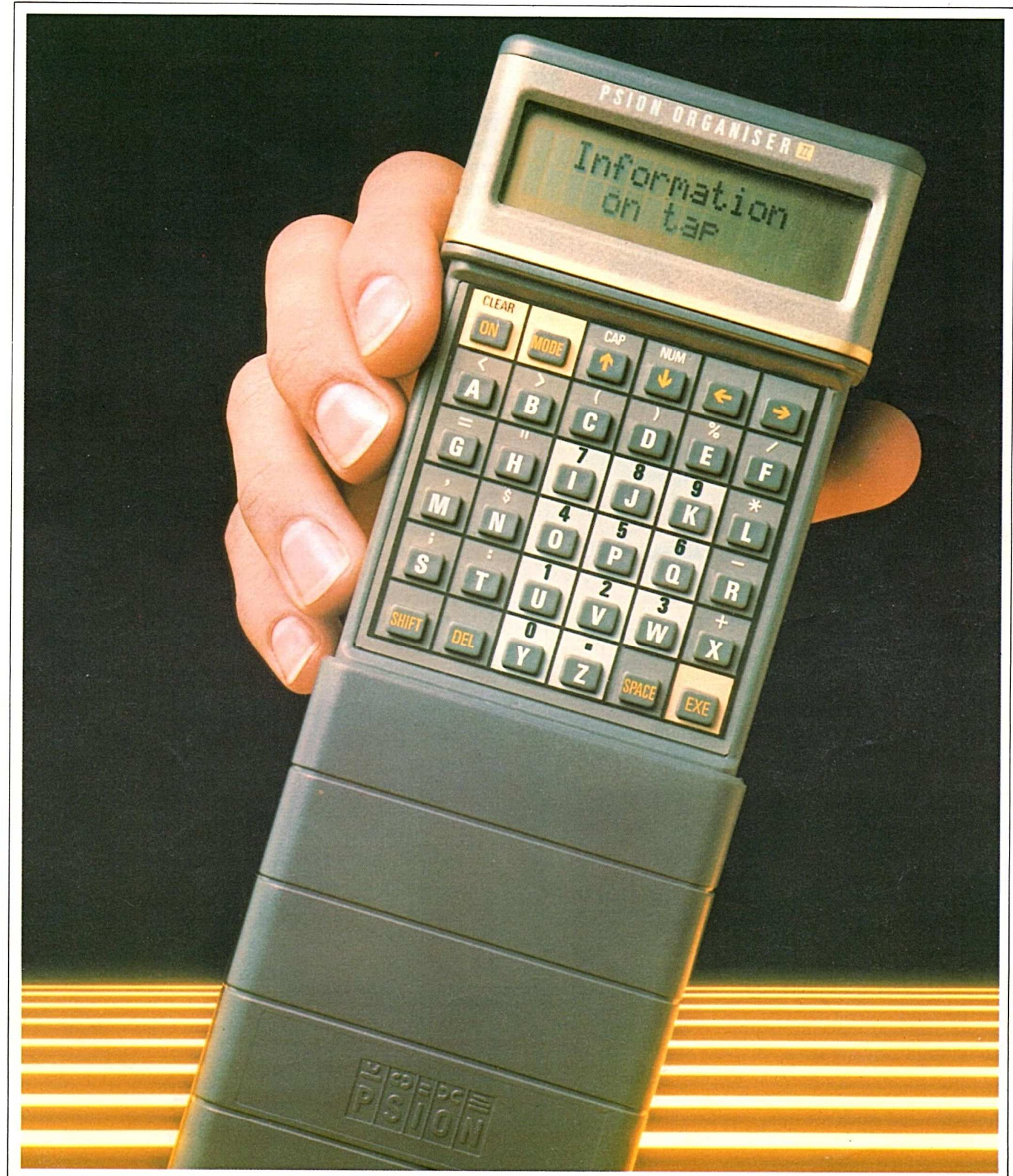


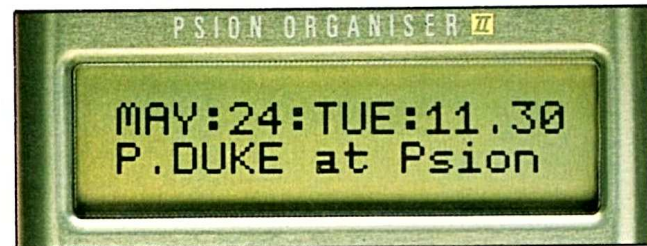
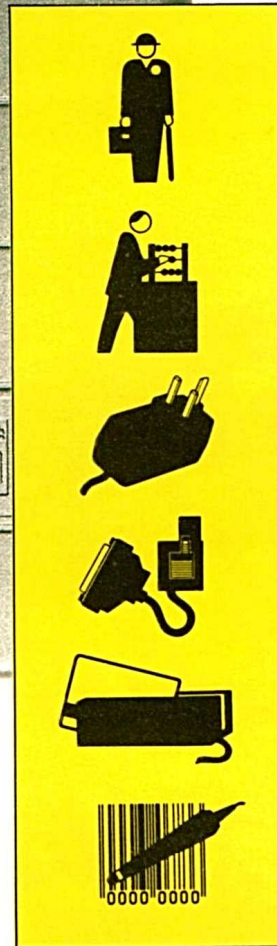
# PSION ORGANISER II

Without it,  
you're on your own





# EVERYTHING YOU NEED TO KNOW...



## IT'S A DIARY THAT REMINDS YOU...

You can record appointments in a ready-made diary by date and time, not just for the current year but for future years too. Like any other diary, you can browse through the entries, or go straight to a specific date. Unlike an ordinary diary, Psion Organiser II can be set to turn itself on and beep you up to an hour before an appointment—and show you who, where and when on the screen.



## IT'S 8 REGULAR ALARM CLOCKS...

You can set up to eight alarms to ring at any time during the day or week. The alarms can be programmed to ring at weekly, daily or hourly intervals as you wish—for example, for morning calls or regular weekly appointments.



## IT'S AN INDEXED FILING CABINET...

Personal and business information is cross-referenced to answer questions such as "Which restaurants do I know in San Francisco?" or "What cars do we stock wiper blades for?". Customer and stock records, suppliers lists and any other reference information can be stored and entries selected quickly and easily on particular criteria.

## SUMMARY SPECIFICATIONS –

<b>GENERAL MENUS</b>	Functions selected from menu using cursor. The main menu can be rearranged and user-created items added.
<b>DATA STORAGE DEVICES PERIPHERALS MEMORY RETENTION</b>	Internal (A), Datapaks (B, C - optional) Connected through top port (D)
<b>MAIN MENU</b>	FIND, SAVE, DIARY, CALC, PROG, ERASE, ALARM, TIME, INFO, COPY, RESET, OFF
<b>FILING SAVE</b>	Saves records on data storage devices (Datapaks, Internal). Entries can be edited, and are automatically scrolled if longer than 16 characters. Maximum 255 characters and 16 lines per record. Repeated key presses list records one by one. Record on screen can be edited and resaved.
<b>FIND</b>	Finds records which match given search text. Repeated key presses list records one by one. Record on screen can be edited and resaved.
<b>ERASE COPY</b>	Finds records as FIND. Prompt to confirm deletion. Copies data files from one data storage device to another.
<b>INFO ACCESS TIME</b>	Information on memory usage/availability. 0.5 second average for 32K of data.

# IN THE PALM OF YOUR HAND



## IT'S A PERSONAL SECRETARY...

Psion Organiser II will store all your vital personal information, such as names, addresses, telephone numbers and business contacts. Just type in a small detail as a clue and the powerful built-in cross-referencing system will recall the item you require in less than a second and automatically scroll it across the screen.

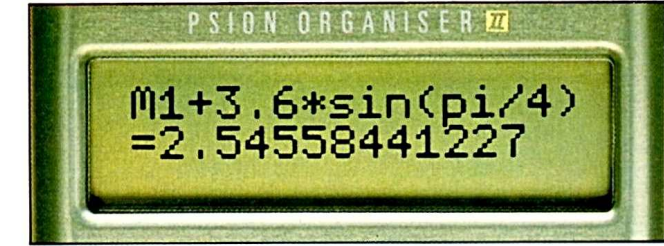


## IT'S A CLOCK AND CALENDAR...

Psion Organiser II has a built-in clock showing weekday, date, month, year, hours, minutes and seconds. And you can change the battery without losing the settings. The clock also monitors and controls the alarm and diary functions.

## SOFTWARE (STANDARD IN ROM)

<b>DIARY DISPLAY</b>	Tabular form: Days horizontally, 1/2hour appointment slots vertically. One time slot displayed on screen. Move around diary with cursor keys. View and set entries. Automatic year scrolling for perpetual diary up to 1999.
<b>LIST SEARCH</b>	List appointments chronologically. GOTO day and time. FIND entry with given search text.
<b>ALARM</b>	Reminder alarm set 0-59 minutes before appointments.
<b>TIDY FILES</b>	Block-erase entries to clock date. SAVE and RESTORE diary file from data storage devices. DIRECTORY of diary files.
<b>TIME/ALARM</b>	Hours, minutes, seconds. Year, month, date, day. Up to 8 Alarms may be pre-set, each with weekly, daily or hourly repeat.
<b>CALCULATOR</b>	To 12 digits. +, -, /, *, **, Any number of brackets. 50 mathematical, scientific and user-programmed functions. 10 store (+, -, overwrite) and recall. Editable, "What-if" facility. User-definable from 0-12 decimal places.
<b>MEMORY EDITOR DISPLAY RESULT</b>	



## IT'S A CLEVER CALCULATOR...

Psion Organiser II does to calculators what calculators did to the slide rule. Calculations are displayed on the screen as they are performed, so that entries can be checked and changed. It has twelve-digit calculation accuracy, ten memories and full mathematical and scientific functions. Decimal places can be set from 0 to 12.



## IT'S ADAPTABLE...

Psion Organiser II contains an extremely powerful but easy-to-use programming language (OPL) allowing simple and sophisticated programs to be written to meet your own or your company's particular requirements. The programs can be stored either in the built-in memory, or on an optional Datapak, for repeated use later. OPL's many functions include accessing and processing data on up to 96 files held in the machine or on each Datapak.



## AND IT TELLS YOU ABOUT ITSELF...

A status report is available at any time on the amount of data and diary information currently in the machine and on Datapaks, and the quantity of internal memory still free.



# PLUG IN EXTRA PROGRAMS



## IT'S A FINANCIAL ANALYST...

Psion Organiser II is built to run plug-in applications programs. For example, the **Finance Pack**, in addition to normal financial calculations like discounted cash flows, interest, annuities and mortgage calculations, records, monitors and analyzes your expenses as they are incurred. Each item is automatically dated and logged for later analysis and printing.



## IT'S A BANK MANAGER...

The **Bank Account** facility within the Finance Pack records bank transactions as they take place and provides a detailed bank record and current balance at all times. Standing Orders are automatically applied on the correct date. Comprehensive statements can be printed out and particular transactions traced simply by keying in the date, item or amount.



## IT'S A PORTABLE SPREADSHEET...

The **Spreadsheet Pack** puts a full-function spreadsheet that is compatible with Lotus™ 1-2-3™\* in the palm of your hand. Ideal for performing both simple and complex calculations, the Spreadsheet is 26 columns by 99 rows and accepts Lotus™ 1-2-3™\* worksheets directly from your PC. Whether created on your Organiser II or downloaded from a PC, just imagine your budgets and financial planning spreadsheets in your pocket for instant reference wherever you go.



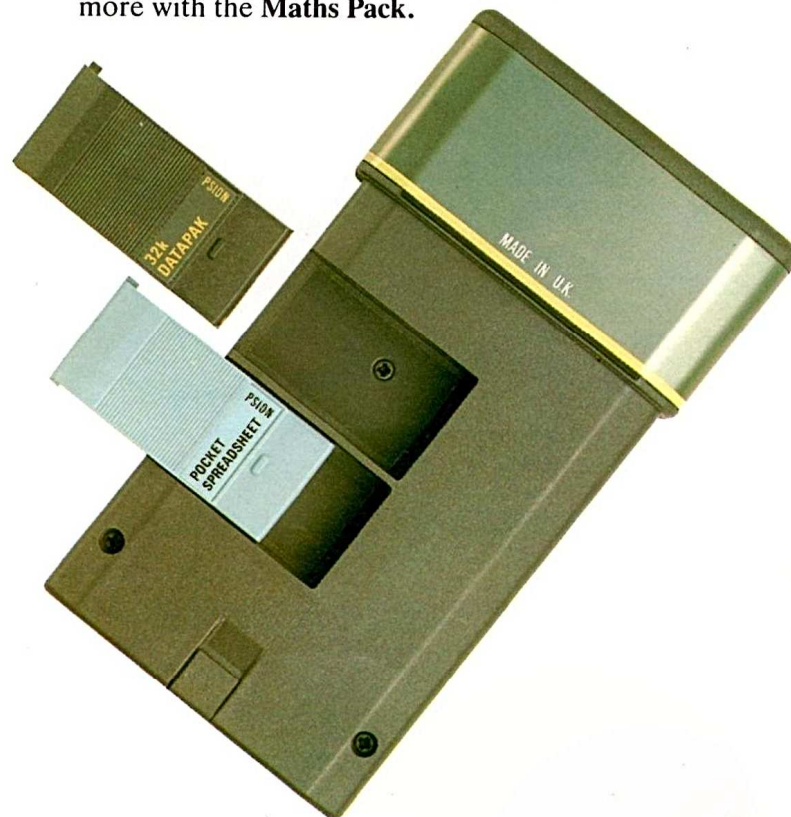
## IT'S A MATHEMATICIAN...

Solve Bessel functions, polynomial equations, quadratics, the solution of matrices, Eigenvalues, integration under a curve, as well as more standard statistics calculations, correlation coefficients, confidence levels, "Chi-squared" and more with the **Maths Pack**.



## IT'S A REFERENCE LIBRARY...

With Psion Organiser II you can at last have electronic reference books at your fingertips. Check your spelling, with the **Concise Oxford™ Spelling Checker**: Just type in the first few letters to define the word and Psion Organiser II will display the correct spelling on the second line of the screen.



# IT'S A COMPUTER... ... DESIGNED FOR A THOUSAND APPLICATIONS

The trouble with computers is that they are of no use to anyone. By themselves. But with software, they will solve thousands of problems. So the useful computers are those which are designed to run software applications.

**That is why we have built the features of a desk-top PC in probably the most powerful hand-held computer yet devised...up to 320K of on-board memory...ready-to-use software built-in...powerful programming facilities for your own specific needs...extra plug-in program packs...“solid-state drives” to store information and load programs...plug-in peripherals and links to office-bound systems...all for a mere fraction of the price of a desk-top computer.**

Rugged, reliable and battery powered, it can be carried in your pocket to be used whenever and wherever you are. You need no computer experience, since Organiser II comes with built-in menu-driven programs. And that's just the start. You can program Psion Organiser II for your particular need by using the built-in OPL programming language and run "off-the-shelf" software by plugging in optional program packs. Programs can be saved for later repeated use and the most frequently used can even be inserted on the main menu for quick and easy access.

## 256K OF SOLID-STATE "DISKS"

Just like a desk-top computer, Psion Organiser II has the equivalent of two disk drives – two thumb-sized slots in the back of the machine. Into these are plugged the equivalent of disks, tiny solid-state memory units called "DATAPAKS". These perform the function of disks and provide unlimited mass storage of data and programs, but are not so vulnerable to wear and tear and thus provide exceptional security for your data. Datapaks require no power backup and thus keep your information safe even when removed from the Organiser II.

Datapaks can be erased in the MINI-FORMATTER, and are available in sizes from 16K (with capacity for 16,000 alpha-numeric characters) up to a massive 128K (model CM limited to maximum capacity 64K Datapaks). Thus you can plug in up to 256K of "disk" storage into your Psion Organiser II at any one time, and build up an unlimited library of Datapaks.

With its Datapaks fitting flush inside the Organiser II body and within the sliding protective case, Psion Organiser II is the most powerful, complete and compact computer system that fits in your hand.

## SUMMARY SPECIFICATIONS – HARDWARE

<b>DIMENSIONS</b>	142 × 78 × 29mm. (with protective sliding case closed).	<b>MASS-STORAGE DATAPAKS</b>	Datapaks are solid-state plug-in memory units. Maximum capacity 128K (model XP) and 64K (model CM). Up to two can be present in Organiser II at the same time. Datapaks consist of Read/Write Eprom with an access speed of 100K/sec. Available with capacities 16K, 32K, 64K and 128K.
<b>WEIGHT</b>	250g (without battery).	<b>INTERFACE</b>	16-pin slot on top of Organiser II accepts the COMMS-LINK Interface to give RS232 communications at up to 9,600 baud, the AC adaptor, the Barcode Reader interface and Magnetic Card Reader interface. Also capable of parallel communications up to 100K/sec.
<b>PROCESSOR</b>	8-bit CMOS 6303X 80 pin surface-mounted (6800 family). Clock speed 1 MHZ.	<b>AUDIO</b>	Sound capability of 11Hz to 10KHz frequency, with 1 msec to 30 seconds duration, under software control from OPL.
<b>DISPLAY</b>	2-line × 16 characters, dot matrix LCD. Provides a 78-character set from keyboard, 8 graphic user-defined characters. Total of 232 characters accessible using built-in OPL programming language.	<b>POWER</b>	Standard nine-volt long-life alkaline battery will give 2-6 months life typically. Optional external AC adaptor available. Power consumption varies from 50 micro amps to 100 MA depending on operating mode.
<b>KEYBOARD</b>	36 multifunction keys provide 26 upper and lower case alpha keys, 10 numeric, 16 operator and punctuation keys and 4 cursor keys. Audio "click" and tactile mobile feedback. Auto-repeat after 1 second continuous depression.	<b>DURABILITY</b>	Gold-plated contacts. Protective sliding case.
<b>INTERNAL MEMORY</b>	ROM: 32K containing operating system, OPL language and applications software. RAM: 32K (model XP) 8k (model CM) CMOS used for personal data storage, diary appointments and programs. 1K can store 1,024 characters.	<b>OPERATING TEMPERATURE</b>	0-50°C.
<b>MASS-STORAGE DRIVES</b>	2 "solid-state drives" built-in, which take Datapaks or program packs (Datapaks with software recorded on them).		



# EASILY PROGRAMMED

Built into Psion Organiser II is an extremely powerful operating system and programming language (OPL) designed to enable individuals and companies to find solutions to their specific problems. Psion Organiser II offers the power and flexibility for any needs from simple programs for everyday use to complex applications such as stock movement and credit card control. Organiser II is supplied with a comprehensive manual to enable both novices and experts alike to develop their own programs quickly and easily.

The high-level, structured programming language built into the ROM of the Organiser is essentially drawn from BASIC but developed further using modern structured programming concepts. Procedure-based, the language is designed to be easy, comprehensive and very fast. For example, the first 100 prime numbers can be obtained three times faster than the same procedure written in BASIC on an IBM® PC\*. It includes integer handling, real arithmetic, variables and string and numeric arrays.

To enhance Psion Organiser II's already impressive data handling capabilities, the language includes full database facilities which allow the creation of files, the definition of fields and records, the searching and locating of records and

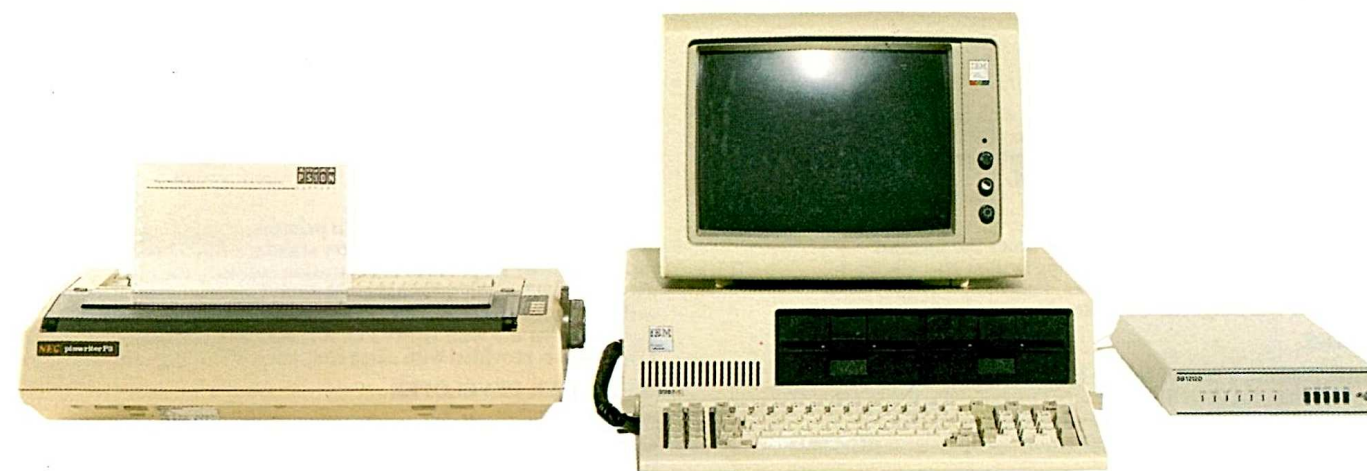
so on. This makes Organiser II's programming language a powerful data processing and fully featured database handling language. These facilities also allow complete software control of the screen, keyboard, peripherals and three devices (internal memory, two Datapak devices).

Psion Organiser II's operating system is soft, so that the main menu can be rearranged or functions added or deleted as desired. Applications can be called or booted from the Datapak drive. Entries to machine code are also allowed. The operating system supports a wide range of peripherals through the top port of Organiser II.

The programming language is supported in Organiser II by an editor program, LOAD and SAVE and the cataloging of programs. Programs can be written with these aides directly on Organiser II, tested, debugged and run with the machine.

Using the ORGANISER DEVELOPER, programs can also be developed on the PC before being transferred onto the Organiser II. Running on IBM® PC\* and compatibles, this development system allows you to edit your OPL procedures on a full PC screen and with a wide range of additional editing and debugging facilities.

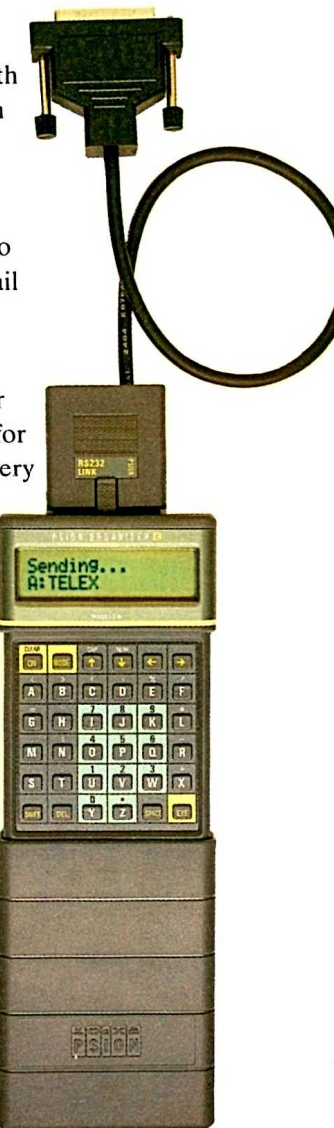
# PLUGS INTO OFFICE SYSTEMS



Psion Organiser II has a standard peripheral port at the top of the machine to allow a wide variety of devices to be attached for communications and specialized applications. Once the peripheral has been connected, additional commands which access the codes from the peripheral are activated automatically within Organiser II.

By simply plugging in the sophisticated COMMS-LINK interface and cable, the portable Organiser II talks to the world of printers, computers and communication devices equipped with the industry standard RS232 port. Records and files can be transferred in either direction, from the Organiser II to the printer, computer or modem, or from the computer or modem to the Organiser II. The communication software allows for error-free transmission of files through telephone lines via a modem. This system enables Psion Organiser II to be used as a portable database, holding information from a central computer or for collecting and transferring data to other systems. It can also communicate with messaging services to access telex or electronic mail networks. Moreover, you can print, send or receive information from the OPL programming language.

In addition, the top port accepts other standard Psion peripherals such as the Bar Code Reader and Magnetic Card Reader. See the specifications box below, or contact your local distributor for more information on specialist peripherals and how Psion Organiser II can be customised for very large-scale corporate applications.



## SUMMARY SPECIFICATIONS – OPL PROGRAMMING LANGUAGE

<b>LANGUAGE</b> PROCEDURE-BASED, BASIC-LIKE, EXTENDABLE	<b>OPEN/CLOSE</b> Opens/closes a file. Up to 4 files can be open at a time.
<b>CONSTRUCTS</b> IF, ELSEIF, ELSE, ENDIF DO, UNTIL WHILE, ENDWH BREAK/CONTINUE GOTO	<b>POSITION</b> RENAME UPDATE USE Selects a record by number. Rename a file. Update a record. Change files.
<b>VARIABLES</b> EXTENT TYPE	<b>FUNCTIONS</b> FIND(a\$) DATIM\$ FREE COUNT POS SPACE DIR\$(a\$) FIX\$(x,i,j) Finds record containing string a\$. Date time string. Returns free memory in bytes. Returns the number of records in a file. Returns the correct record number. Returns free space on the device. Returns file name. Returns x as a fixed point decimal number.
<b>COMMANDS</b> AT i,j BEEP i,j CLS CURSOR i EDIT a\$ ESCAPE ON/OFF INPUT i/x/a\$ KSTAT i ONERR LABEL ONERR OFF OFF PAUSE i POKEB/W i,j PRINT a\$,i;x LPRINT a\$,i,x RAISE i RAND x REM RETURN i/x/a\$ STOP TRAP	<b>GEN\$(x,i)</b> <b>NUM\$(x,i)</b> <b>SCI\$(x,i,j)</b> <b>ERR</b> <b>ERR\$(i)</b> <b>DISP(i,a\$)</b> <b>MENU(a\$)</b> <b>VIEW(i,a\$)</b> Returns x in the best fit format. Returns x as an integer. Returns x in scientific format. Returns the last error number. Returns the error string associated with an error number. Display a record. Provides a menu option. Displays a scrolling string on the screen.
	<b>ADDITIONAL FUNCTIONS</b> SECOND, MINUTE, HOUR, DAY, MONTH, YEAR ABS(x), ATAN(x), COS(x), DEG(x), EXP(x), FLT(i), IABS(i), INT(x), INTF(x), RND(x), LN(x), LOG(x), PI, RAD(x), SIN(x), SQRT(x), TAN(x). <b>GET, GET\$, KEY, KEYS</b> ASC(a\$), CHR\$(x), HEX\$(i), LEN(a\$), LOC(a\$,b\$), LOWER\$(a\$), UPPER\$(a\$), VAL(a\$). LEFT\$(a\$,i), MID\$(a\$,i), RIGHT\$(a\$,i), REPT\$(a\$,i). ADDR(i/x/a\$), USR(i,j), USR\$(i,j), PEEKB(i), PEEKW(i). FOF, EXIST(a\$), RECSIZ.

## SUMMARY SPECIFICATIONS – STANDARD PERIPHERALS

### COMMS-LINK

Plugs directly into top port of Organiser II and includes interface, cable, and Organiser II software.

Menu-driven software directly controls printers and provides asynchronous communications to other computers and modems which have an RS232 serial port. Allows bi-directional transfer of files, OPL programs and spreadsheets between Organiser and PC. Provides access to electronic mail and telex services. Communications can be controlled by OPL programs.

For use with IBM® PC, XT, AT\* and compatibles, a 5 1/4" disk is provided with extra software. For communications to other PCs any standard communications package will suffice.

Provides RTS/CTS, XON/XOFF handshaking and XMODEM error-checking protocols. Baud rates 50-9600.

### AC ADAPTOR

AC adaptor that connects to Organiser's top slot for desk-top use, provides power in parallel to battery – does not charge battery – and preserves the Organiser RAM memory during connection. Power 110-118 volts, 50-60 Hz for USA, 220-240 volts, 50-60 Hz for Europe.

### BARCODE READER

Auto discriminates between UPC, CODE 39, 2 in 5 interleaved, EAN8 and EAN13. Includes Organiser II interface, high-level software and digital switched wand. Introduces command BAR\$ into OPL Language, which returns value of barcode scan.

### MAGNETIC CARD READER

Track two card reader to ISO 3554. Includes cable, Organiser interface and high-level software. Introduces command SWIPES into OPL language, which returns as a string the data from track two of the card. Durable for in excess of 300,000 passes.



# PSION ORGANISER II

## PRODUCT SUMMARY

### PSION ORGANISER II - MODEL CM

8K RAM of internal memory. 32K ROM, with built-in diary, filing, calculator, clock and alarm functions; OPL programming language. Optional Datapaks up to 64K, program packs, Comms-Link and Mains Adaptor can be connected.

### PSION ORGANISER II - MODEL XP

All the features of Model CM with four times the internal memory (32K RAM). The XP operating system also allows the use of 128K Datapaks, 32K Rampaks, Pocket Spreadsheet, Bar Code Reader and Magnetic Card Reader.

### DATAPAKS

Datapaks perform a similar role to floppy disks on desk-top computers and plug directly into Psion Organiser II, freeing the internal memory for diary entries and programs, and for the secure, battery independent storage and back-up of your personal information.

**Rampaks:** these packs plug in just like Datapaks, but are designed for frequent deletion of files as opposed to storing vital long term data. They use less power and are faster. Unlike Datapaks, Rampaks are as vulnerable to damage causing loss of data as floppy disks are on a conventional computer.

### PROGRAM PACKS

These software programs plug into Psion Organiser II like Datapaks and are supplied with a comprehensive manual. Some examples are:

**The Pocket Spreadsheet:** full-function spreadsheet, 26 columns x 99 rows. Using Comms-Link, can exchange worksheets with a PC. Compatible with Lotus™ 1-2-3™\* and DIF format worksheets.

**The Finance Pack:** for financial calculations, personal bank account and expense account management.

**The Maths Pack:** solves analytical mathematical functions and provides statistical analysis.

**The Concise Oxford™ Spelling Checker:** looks up spelling of 24,000 English words.

### COMMS-LINK (RS232)

Connects the Psion Organiser II to printers, computers and modems equipped with the industry standard RS232 port. It includes a wide range of communication software for printers, data file transfer and terminal emulation. Comms-Link is supplied with a plug for IBM® PC/XT\*. Plug adaptors for other devices are available. For use with IBM® PC, XT, AT\* and compatibles a 5¼" disk is provided with extra communication software.

### ORGANISER DEVELOPER

PC development system to write, test and debug your OPL programs on the PC before transferring them onto the Organiser II via Comms-Link. It is provided on a 5¼" floppy disk for IBM® PC\* and compatibles and requires 512K RAM.

### DIARY LINK

Allows you to transfer Organiser diaries to and from your PC either in Organiser or Sidekick format, and to merge PC and Organiser diaries. Supplied on a 5¼" disk for IBM® PC\* and compatibles.

### MINI-FORMATTER

Reformats Datapaks - in 30 minutes - leaving them blank for reuse. Takes one Datapak at a time. 220-240V.

### PROFESSIONAL PRODUCTS

Bar Code Reader, Magnetic Card Reader, Datapak Copier and Eraser 16.



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PSION

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