PSION ORGANISER II

Without it, you're on your own

Information on tap
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.

MAY 24: TUE: 11.30
P. DUKE at Psion

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.

MAY 24: TUE: 12.30
ALARM

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 cards 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.

STOCK NO: c4391
Price 19.95

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 close to 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.

J. SHORT, Doctor
01-093-4321

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.

M+3.6* sin (pi/4)
= 2.54558441227

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.

WED 12 NOV 1986
08:25:18

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.

FIND SAVE DIARY CALC ERASE

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.

SUMMARY SPECIFICATIONS –

GENERAL
MENUS
Functions selected from menu using cursor. The main menu can be rearranged and user-created items added.

DATA STORAGE
DEVICES
Internal (A). Datapaks (B, C, optional)
CONNECTED through top port (D)

MEMORY
INTERNAL - Indentifies with battery or AC adapter
CONNECTED - Identifies with a Datapak

MAIN
MENU
FIND, SAVE, DIARY, CALC, PROG, ERASE, ALARM, TIME, INFO, COPY, EDIT, OFF

FILING
SAVE
Saves records on data storage devices (Datapaks, Internal). Enters can be edited, and are automatically scrolled if longer than 16 characters. Maximum 255 characters and 16 lines per record.

FIND
Finds records which match given search term.

SOFTWARE (STANDARD IN ROM)

DIARY
DISPLAY

LIST
SEARCH
GOTO day and time. FIND entry with given search term. ALARM Reminder alarm set at 30 minutes before appointments.

ALARM
TIME/ALARM
CLOCK
CALC
CALCULATOR
ACCURACY
TO 12 digits
OPERATORS
+ - * / %
FUNCTIONS
Mathematical, scientific and user-programmed functions
MEMORY
MEMORY, EDITOR
DISPLAY
DISPLAY RESULT
User-selectable from 0-12 decimal places.
**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 232K 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.

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**SUMMARY SPECIFICATIONS – HARDWARE**

| DIMENSIONS | 142 x 78 x 29mm. (with protective sliding case closed). |
| WEIGHT | 250g (without battery). |
| PROCESSOR | 8-bit CMOS 6030X 8 pin surface-mounted (6600 family). Clock speed 1 MHz. |
| DISPLAY | 2-line x 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. |
| KEYBOARD | 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. |
| INTERNAL MEMORY | 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. |
| MASS-STORAGE DRIVES | 2 "solid-state drives” built-in, which take Datapaks or program packs (Datapaks when software recorded on them). |
| MASS-STORAGE DATAPAKS | 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 Eeprom with access speed of 100K/sec. Available with capacities 16K, 32K, 64K and 128K. |
| INTERFACE | 16-pin slot on top of Organiser II accepts the COMMS-LINK Interface to give RS232C communications at up to 9,600 baud, the AC adapter, the Barcode Reader Interface and Magnetic Card Reader interface. Also capable of parallel communications up to 100K/sec. |
| AUDIO | Sound capability of 11KHz to 18KHz frequency, with 1 mic to 30 seconds duration, under software control from OPL. |
| POWER | Standard nine-volt long-life alkaline battery will give 2-6 months life typically. Optional external AC adaptor available. Power consumption varies from 90 microamps to 100 mA depending on operating mode. |
| DURABILITY | Gold-plated contacts. Protective sliding case. |
| OPERATING TEMPERATURE | 0-30°C. |
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 derived 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 BASICA 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 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 aids 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.

SUMMARY SPECIFICATIONS – OPL PROGRAMMING LANGUAGE

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<table>
<thead>
<tr>
<th>LANGUAGE</th>
<th>PROCEDURE-BASED, BASIC-LIKE, EXTENDABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSTRUCTS</td>
<td>IF, ELSE, ELSE, ENDF, DO, UNTIL, WHILE, ENDWHile, BREAK/CONTINUE, GOTO</td>
</tr>
<tr>
<td>VARIABLES</td>
<td>EXTENT, TYPE, COMMANDS, Local, global, single and arrays, REAL, INTEGER, STRING, BOLDS</td>
</tr>
<tr>
<td>COMMANDS</td>
<td>AT, BEEP, NET, LG, CLEAR, the display, WRITE, WRITE/FILE, EDIT, DELETE, ESCAPE OFF, INPUT, OUTPUT, PAUSE, POKER, PRINT, PRINT/A, RAISE, RAND, REM, RETURN, TRAP, FILE, APPEND, COPY, CREATE, DELETE, ERASE, NEXTBACK</td>
</tr>
<tr>
<td>OPEN/CLOSE</td>
<td>OPEN/closes a file. Up to 4 files can be open at a time.</td>
</tr>
<tr>
<td>POSITION</td>
<td>SELECTS a record by number.</td>
</tr>
<tr>
<td>RENAME</td>
<td>RENAME a file.</td>
</tr>
<tr>
<td>UPDATE</td>
<td>UPDATE a record.</td>
</tr>
<tr>
<td>USE</td>
<td>Change files.</td>
</tr>
<tr>
<td>FUNCTIONS</td>
<td>FIND/X, DATES, FREE, GOUNT, POS, SPACE, DHREG, FIXD, GENV, NUMS, SCH, ERR, ERR/S, DISP, MENU, VIEW, ADDITIONAL</td>
</tr>
<tr>
<td></td>
<td>SECOND, MINUTE, HOUR, DAY, MONTH, YEAR, RANDOM, REM, RETURN, TRAP, FILE, APPEND, COPY, CREATE, DELETE, ERASE, NEXTBACK</td>
</tr>
<tr>
<td></td>
<td>OPEN/CLOSE, POSITION, RENAME, UPDATE, USE, FIND, DATES, FREE, GOUNT, POS, SPACE, DHREG, FIXD, GENV, NUMS, SCH, ERR, ERR/S, DISP, MENU, VIEW, ADDITIONAL</td>
</tr>
</tbody>
</table>

SUMMARY SPECIFICATIONS – OPL PROGRAMMING LANGUAGE

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 accessories which the codes from the peripheral are activated automatically within Organiser II.

By simply plugging in the sophisticated COMM-SLINK 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 IIs can be customised for very large-scale corporate applications.

SUMMARY SPECIFICATIONS – OPL PROGRAMMING LANGUAGE

COMM-SLINK

Plug 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 telnet 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 RTSCTS, XON/XOFF handshaking and XMODEM error-checking protocols. Band rates 50-9600.

ADAPTOR

AC adapter 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 switch wand. Introduces command BARS into OPL Language, which returns value of barcode scan.

MAGNETIC CARDB READER

Reads two card reader into ISO 5554. Includes cable, Organiser interface and high-level software. Introduces command SWEEP into OPL language, which returns as a string the data from track two of the card. Durable 1 for 100,000 pans.
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: built-in programming language. Optional Datapaks up to 64K, program packs, Comm-Link and Main Adapter can be connected.

PSION ORGANISER II - MODEL XP
All the features of Model CM with four times the internal memory (128K RAM). The XP operating system also allows the use of 128K Datapaks, 128K 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 pack 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 Comm-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 111 Spelling Checker: looks up spelling of 26,000 English words.

COMM-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 printer data file transfer and terminal emulation. Comm-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.

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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