

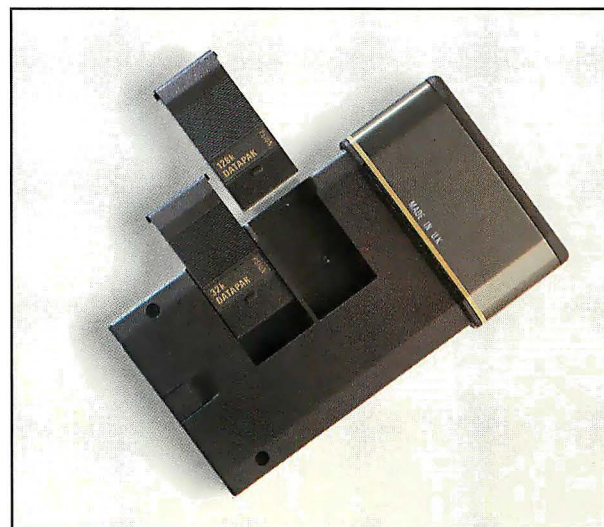
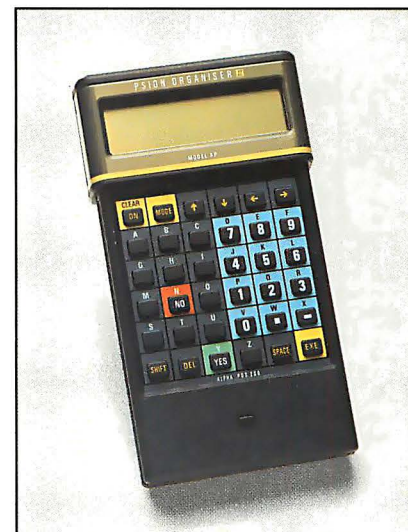


Organiser Range Hand Held Computers

Psion develops, engineers and markets a powerful, cost effective and comprehensive range of Organiser II hand held computers with over 700,000 in use world wide. The product range provides a unique entry point to hand held computing with tremendous flexibility obtained by combining specially written and customised software and interfaces, with a variety of hand held terminals to fit specific needs.

In addition to the standard Organiser II, a range of machines is also available with different keyboard, memory and software configurations.

- The Organiser Operating System can be configured to run only dedicated applications supplied on a Datapak.
- All machines have 2 Datapak ports and can accommodate up to 256K of non-volatile read/write memory or 1/2 Mbyte of Flash memory for data file and program storage.
- All Organisers have an additional communication port enabling the attachment of a wide range of peripherals such as modems, printers, barcode readers, CCD scanners, mag card swipes and more.
- The machines have a 2 or 4 line LCD display with variable contrast to achieve ideal viewing.
- The keyboard and Datapak ports on all machines are protected by a sliding ABS plastic case, providing a robust and compact portable unit.
- All machines can be programmed using OPL (Organiser Programming Language). This simple, structured and powerful BASIC-like language with database handling capabilities is run in compiled form yielding rapidly executing run-time modules. 6203 assembler programming is also possible.
- All Organisers can communicate with PCs through a Comms Link interface via the RS232 serial connection. Organisers can also plug into Modems through the same RS232 interface.
- A Developer System is available enabling program development on a PC.



Psion Organiser Range Technical Specification

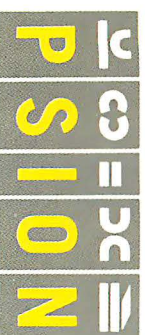
HARDWARE															
	CM	XP	LZ	LZ64	POS200	ALPHA POS	P250	P350	POS296	P432	P464	POS432	POS464		
Processor	Hitachi HD 6303X, 8 bit CMOS running at 0.92 MHz														
Display	Dot Matrix Liquid Crystal														
Keyboard	36 multi function keys			Numeric only			alpha numeric			36 multi function			36 multi function		
Sound	Piezo Electric Sounds														
Power	PP3 9V Alkaline Battery or External AC Mains Adaptor														
Screen	32 Char 2 Line	32 Char 2 Line	80 Char 4 Line	80 Char 4 Line	32 Char 2 Line	32 Char 2 Line	32 Char 2 Line	32 Char 2 Line	32 Char 2 Line	80 Char 4 Line	80 Char 4 Line	80 Char 4 Line	80 Char 4 Line		
MEMORY															
Internal ROM	32K	32K	64K	64K	32K	32K	32K	32K	32K	64K	64K	64K	64K		
Internal RAM	8K	32K	32K	64K	32K	32K	32K	96K	32K	32K	64K	64K	32K		
Dpak/Rpak Slots	2	2	2	2	2	2	2	2	2	2	2	2	2		
SOFTWARE															
Operating System Programming	OPL	OPL	OPL	OPL	OPL	OPL	OPL	OPL	OPL	OPL	OPL	OPL	OPL		
PERIPHERALS															
RS232 Comms Link	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Bar Code Wand	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
CCD Scanner	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Mag Card Reader	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Psion Printer II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Mains Adaptor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
PC Developer	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Pager	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
PHYSICAL CHARACTERISTICS															
Size and Weight	142 x 78 x 29mm 250gms with battery, 210gms without battery														
Temperature range	Operating: 0 – 50°C														

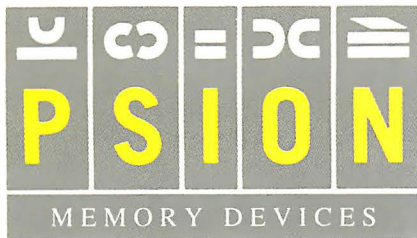
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Organiser Storage Devices

Organiser Storage Devices

All Psion Organiser hand held computers accommodate special Psion storage devices that fit into the two slots in the back of the machines. They are the equivalent of floppy disks in PCs and provide the user with substantial extra memory capacity. There are four basic types of memory packs ranging in capacity from 16 to 256 kbytes of storage. Over 2 million packs are in use world wide.

Datapaks

These packs do not rely on any form of battery power and will keep data permanently safe in or out of the Organiser. They can only be erased externally using the Psion Formatter.

Rampaks

An ideal alternative to Datapaks if the information being stored needs to be frequently edited or revised.

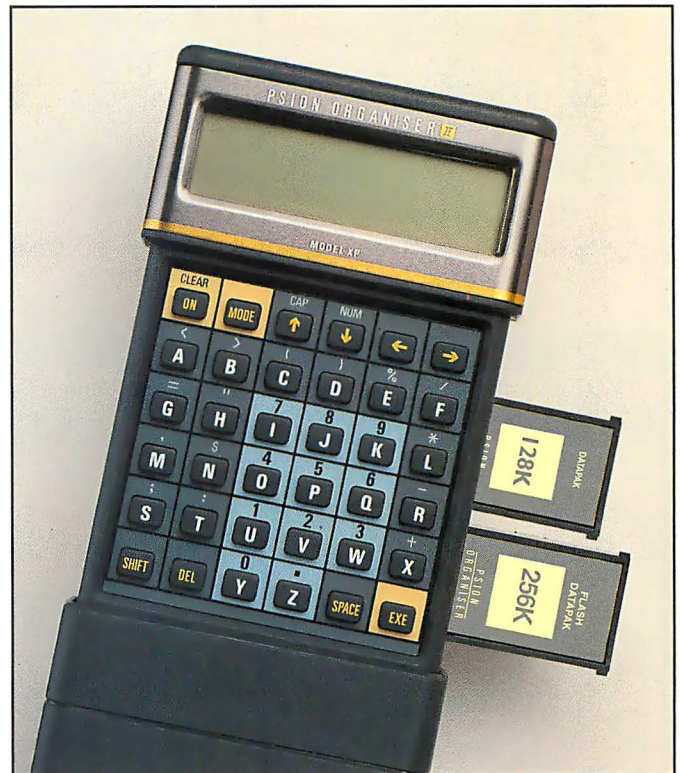
Flash Datapaks

These packs utilise Flash memory technology providing very high security and have the following advantages over conventional Datapaks;

- Electrically erasable in-situ in the Organiser.
- Lower power consumption using less Organiser battery life.
- Faster read and write times.

One Time Programmable Packs

Suitable for storing applications and data which need to be protected against copying, alteration or over-writing. They are available in various colours for easy identification.



Technical Specification

Organiser Storage Devices

PHYSICAL CHARACTERISTICS		
Size	52mm (length), 42mm (width), 13mm (height)	
Weight	20gms (approx)	
STORAGE CAPABILITIES		
Datapak	16K, 32K, 64K, 128K (all low power)	
Rampak	32K (excluding model CM)	
Flash Datapak	128K, 256K	
OTP	64K	
TYPES OF MEMORY		
Datapak	CMOS, EPROM, permanent storage	
Rampak	Lithium battery backed up RAM	
Flash Datapak	Flash EPROM	
One Time Programmable	1 time CMOS ROM	
INTERFACE		
	High speed serial	
POWER CONSUMPTION		
In stand by	Datapak	<8mA
	Rampak	<1mA
	Flash Datapak	1.5mA
	OTP	1.5mA
Reading	Datapak	20mA
	Rampak	6mA
	Flash Datapak	5mA
	OTP	15mA
Writing	Datapak	50mA
	Rampak	6mA
	Flash Datapak	7mA
	OTP	25mA
AVERAGE DATA TRANSFER RATES		
Datapak	Read 20µs/byte	Write 30µs/byte
Rampak	Read 20µs/byte	Write 40µs/byte
Flash Datapak	Read 20µs/byte	Write 10µs/byte
OTP	Read 20µs/byte	Write 30µs/byte
METHODS OF ERASURE		
Datapak	Ultraviolet light, erases entire device	
Rampak	Selectively overwritten by Organiser	
Flash datapak	Electronically erased in situ, erases entire device	
OTP	Cannot be erased	



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