



IBM Personal System/2 Model 30 8530-021 PC



El 29 d'octubre del 2020, Immaculada Recasens i Javier Barragan, professors de l'Escola d'Escola Tècnica Superior d'Enginyeria Agrària (ETSEA) de la Universitat de Lleida (UdL) van fer donació a l'Escola Politècnica Superior (EPS) d'un **IBM Personal System/2 Model 30 8530-021 PS/2 8530 Personal Computer** de la seva propietat, que va sortir al mercat un 2 d'abril de l'any 1987.

Especificacions tècniques

IBM Personal System/2 Model 30

G e n e r a l			i n f o r m a t i o n
M a c h i n e		t y p e :	8 5 3 0
A n n o u n c e	d a t e :	A p r i l	2 , 1 9 8 7

Excerpt from the original announcement letter;

"The IBM 8530, Personal System/2 Model 30 is a new general-purpose computer system which provides enhanced function beyond that established by the IBM PC and PC XT*, especially in display graphics, at lower prices to the customer. This system includes as standard, many newly integrated features such as a graphics adapter and parallel port. It also allows for the attachment of many existing PC option cards for further expansion. The Personal System/2 Model 30 is available in two versions, 8530-002 with two 3.5 inch (720KB) diskette drives, and 8530-021 with a 20 megabyte fixed disk and a single diskette drive. All models have 640KB RAM, standard."



System

Microprocessor: Intel 8086 (16 bit)
 Clock speed: 8 Mhz, zero wait states
 Coprocessor: socket for optional i8087 math coprocessor
 Type of BUS: 8-bit
 Total number of expansion slots: 3
 Ports: PS/2 keyboard, PS/2 mouse, serial, parallel, video

Characteristics

Memory

Min/Max on system board: 640kb
 Type of memory:
 RAM: DRAM (MMK) 100-150ns w. parity.
 ROM: 40 or 64kb w. MS BASIC-80
 Cache: n/a

Physical

description

Power supply: 70w with internal sensing, for worldwide usage
 Weight: 8 kg (17.5 lbs)
 Dimensions (HxWxD): (102 x 406 x 397mm)

Mass

storage

Drive bays: 2 3.5" half-height
 Floppy Disk
 Size: 3.5 inch half-height
 Capacity: 720 KB
 Hard disk
 Size: 3.5 inch half-height
 Capacity: Optional 20MB 80ms or 30MB 39ms
 Access time:
 Interface: ST-506 PS/2 model 25/30 connector

Display

Size: Optional 12" (8503) or 19" (8506) mono, 14" (8512) or 16" (8514) colour
 Display type: Analog CRT
 Graphics modes supported: Integrated MCGA Display adapter

64K multiport RAM for displays
 CGA compatible (31.5KHz double scanned)
 New modes: (31.5KHz)
 - 40 by 25 by 16 colours - text (8 X 16 character box)
 - 80 by 25 by 16 colours - text (8 X 16 character box)
 - 320 by 200 by 256 colours - all points addressable
 - 640 by 480 by 2 colours - all points addressable
 Palette of 262,144 colours
 - Analog drive to internal display
 - 70Hz refresh rate in all but 640 by 480 mode



- 60Hz refresh rate for 640 by 480 mode
- Not compatible with digital displays
- Loadable character font capability (512 characters in text modes)
- Colour summing to 64 gray shades in BIOS for monochrome display

K e y b o a r d

Type: Space Saving Keyboard or 101 key enhanced

S o f t w a r e

Operating system: IBM PC DOS Versions 3.30 and later

C o n f i g u r a t i o n s

Various memory, diskette drive, hard drive, monitor, and keyboard configurations including;
8530-002 - System unit 640kb, two diskette drives, keyboard.
8530-021 - System unit 640kb, one diskette drive, one 20MB fixed disk, keyboard.

O p t i o n s

Personal	System/2	8087	Math	Co-Processor	(#1501217)
Personal	System/2		Speech	Adapter	(#1501216)
PC	Network		Adapter	II	(#1501220)
PC	Network		Baseband	Adapter	(#1501221)
IBM	2MB	Expanded	Memory	Adapter	(#2685193)
Personal	System/2		Display	Adapter	(#1887744)
General	Purpose	Interface	Bus	Cable	(#63X4882)
PC	Network		Baseband	Extender	(#6134339)
InfoWindow	Enhanced		Graphics	Adapter	(#56X2412)
IBM	Token-Ring	Network	PC	Adapter	Diskette (3.5 inch) (#67X0410)
Personal	System/2	5.25	Inch	External	Diskette Drive Adapter
Personal		System/2		Mouse	(#6450350)
IBM	3363	Optical	Disk	Drive	(#63X4131, 63X4166)
IBM			Proprinter		(#87X9787)
Personal	System/2	5.25	Inch	External	Diskette Drive (#4869001)
IBM	Quietwriter(R)			II	Printer (#1318200)
Personal	System/2	Data	Migration	Facility	(#1501224)

Plus many more IBM and 3rd party adapter cards...