



© International Business Machines Corporation 1991

IBM United States  
Department ZW1  
1133 Westchester Avenue  
White Plains, NY 10604

Printed in the United States of America  
6-91  
All Rights Reserved

References in this publication to IBM products  
or services do not imply that IBM intends to make  
them available outside the United States.

Check with your IBM representative for electrical  
requirements outside the United States.



## Personal System/2 Facts and Features

*June 1991*

# PS/2 it!



G360-2832-08

Use this handy reference to make quick comparisons of IBM Personal System/2<sup>®</sup> models—and check their options, too. It presents basic facts and features—as well as attachment cards and enhancement products—for the entire PS/2<sup>®</sup> family.

## Personal System/2 model comparisons



Personal System/2 Model	25	25 286	30 286	35 SX
<b>Machine numbers</b>	8525-001, 004, G01, G04, L01, L04	8525-006, G06, 036, G36	8530-E01, E31, E41	8535-040, 043
<b>Processor</b>	8086	80286	80286	80386 SX
Coprocessor (optional)	8087	80287	80287	Socket
Speed (MHz)	8	10	10	20
Memory cache	None	None	None	None
<b>Bus architecture</b>	PC	AT <sup>®</sup>	AT	AT
Data path	8-bit	16-bit	16-bit	16-bit
<b>User memory (RAM)<sup>4</sup></b>				
Standard—maximum on system board	512KB–640KB 640KB (L01, L04)	1MB–4MB	1MB–4MB	2MB–16MB
System maximum (addressable)	640KB	16MB <sup>5</sup>	16MB	16MB
<b>Integrated functions</b>				
Parallel/serial/pointing device ports	Yes	Yes	Yes	Yes
Graphics	MCGA	VGA	VGA	VGA
Display port	No	No	Yes	Yes
Built-in display	Yes	Yes	No	No
Disk/diskette controller	Yes	Yes	Yes	Yes
SCSI	No	No	No	No
Network adapter	Optional	Optional	Optional	Optional
Key lock	Yes	Yes (036, G36) <sup>7</sup>	Yes	Yes
Clock/calendar	No	Yes	Yes	Yes
Security password	No	Yes	Yes	Yes
<b>Diskette drives, 3.5-inch</b>				
Capacity/maximum number supported	720KB/2	1.44MB/2 (006, G06), /1 (036, G36)	1.44MB/2 (E01), /1 (E31, E41)	1.44MB/1
<b>Fixed disk storage</b>				
Standard—maximum (MB)	0–20	0–30 (006, G06) <sup>9</sup> 30 (036, G36)	0–45 (E01) <sup>9</sup> 30 (E31) 45 (E41)	0–80 (040) 40 (043)
Average seek time	80ms	27ms (30MB)	39ms (30MB) 32ms (45MB)	17ms
<b>Expansion slots (available)</b>	2 <sup>10</sup>	2 <sup>10</sup>	3	3
<b>Power supply</b>	90-watt (001, G01, L01) 115-watt (004, G04, L04)	124.5-watt	90-watt	118-watt
<b>Operating systems</b>				
DOS	3.3, 4.0, 5.0	3.3, 4.0, 5.0	3.3, 4.0, 5.0	3.3, 4.0, 5.0
Operating System/2 <sup>®</sup>	No	SE, EE 1.2, 1.3	SE, EE 1.2, 1.3	SE, EE 1.3
AIX <sup>®</sup> Personal System/2	No	No	No	No

<sup>®</sup>IBM, Personal System/2, PS/2, AT, Micro Channel, Operating System/2, AIX, Proprinter, Quickwriter and Quietwriter are registered trademarks of International Business Machines Corporation.

<sup>™</sup>ExecJet and System/370 are trademarks of International Business Machines Corporation.

<sup>1</sup>Processor upgrade (A81, A61).

<sup>2</sup>80486 SX microprocessors on 0Gx models.

<sup>3</sup>20 MHz (0Gx) models do not have a built-in coprocessor function; however, a math coprocessor 487 SX optional feature is available.



<b>35 LS</b>	<b>40 SX</b>	<b>L40 SX</b>	<b>55 SX</b>	<b>55 LS</b>	<b>57 SX</b>
8535-24X	8540-040, 043, 045	8543-044	8555-041, 081	8555-LT0, LE0	8557-045, 049
80386 SX Socket 20	80386 SX Socket 20	80386 SX Socket 20	80386 SX 80387 SX 16	80386 SX 80387 SX 16	80386 SX Socket 20
None	None	None	None	None	None
AT 16-bit	AT 16-bit	AT 16-bit	Micro Channel <sup>9</sup> 16-bit	Micro Channel 16-bit	Micro Channel 16-bit
2MB-16MB	2MB-16MB	2MB-18MB	4MB-8MB	4MB-8MB	4MB-16MB
16MB	16MB	18MB	16MB	16MB	16MB
Yes VGA Yes No Yes No Token-Ring Yes Yes Yes	Yes VGA Yes No Yes No Optional Yes Yes Yes	Yes VGA Yes Yes-LCD Yes No Optional <sup>6</sup> No Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes	Yes VGA Yes No Yes Optional Token-Ring or Ethernet Yes Yes Yes	Yes VGA Yes No Yes Optional Yes Yes Yes
0/2 (1.44MB or 2.88MB <sup>8</sup> )	1.44MB/2 (1.44MB or 2.88MB <sup>8</sup> )	1.44MB/1	1.44MB/1	0/1 (1.44MB)	2.88MB/2 (1.44MB or 2.88MB)
0-80	0-80 (040) 40-120 (043) 80-160 (045)	60	40 (041) 80 (081)	0-80	80-880 (045) 160-960 (049)
17ms	17ms	19ms	17ms (40MB) 16ms (80MB)	17ms (40MB) 16ms (80MB)	17ms (80MB) 16ms (160MB)
2	5	None <sup>11</sup>	3	2	5
118-watt	197-watt	Rechargeable battery pack; AC adapter	90-watt	90-watt	197-watt
3.3, 4.0, 5.0 SE, EE 1.3 <sup>13</sup> No	3.3, 4.0, 5.0 SE, EE 1.3 No	3.3, 4.0, 5.0 SE, EE 1.3 No	3.3, 4.0, 5.0 SE, EE 1.2, 1.3 1.21 (081)	3.3, 4.0, 5.0 No <sup>14</sup> No	5.0 SE, EE 1.3 No

<sup>4</sup>128KB of this memory is reserved for hardware system use on Models 55 SX, 55 LS, P70 386, 70 386.

<sup>5</sup>Achieving this configuration requires installation of non-IBM memory cards.

<sup>6</sup>IBM intends to provide connectivity to IBM networks using the L40 SX's external expansion port and Personal Computer AT versions of the 3278/3279 Emulation Adapter, the 5250 Emulation Adapter, and the Token-Ring Network 16/4 Adapter.

<sup>7</sup>Secures fixed disk only.

<sup>8</sup>DOS 5.0 is required to support the 2.88MB diskette drive and the media-sense features of the 1.44MB and 2.88MB drives.

<sup>9</sup>Second diskette drive and fixed disk are mutually exclusive.

<sup>10</sup>One full-size, one half-size; 8525-L01, L04 models use half-size slot for Token-Ring Adapter.



<b>P70 386</b>	<b>70 386</b>	<b>P75 486</b>	<b>80 386</b>	<b>90 XP 486</b>	<b>95 XP 486</b>
8573-121	8570-081, 161, A81, A61	8573-161, 401	8580-081, 161, 321, A16, A31	8590-0G5, 0G9, 0J5, 0J9, 0KD	8595-0G9, 0GF, 0J9, 0JD, 0JF, 0KD, 0KF
80386 80387 20	80386/80486 <sup>1</sup> 80387 20 (081, 161) 25 (A81, A61)	80486 Built-in 33	80386 80387 20 (081, 161, 321) 25 (A16, A31)	80486 <sup>2</sup> Built-in <sup>3</sup> 20 (0G5, 0G9) 25 (0J5, 0J9) 33 (0KD)	80486 <sup>2</sup> Built-in <sup>3</sup> 20 (0G9, 0GF) 25 (0J9, 0JD, 0JF) 33 (0KD, 0KF)
None	64KB (A81, A61)	8KB	64KB (A16, A31)	8KB (0J5, 0J9, 0KD) 256KB optional (0J5, 0J9, 0KD)	8KB 256KB optional (0J9, 0JD, 0JF, 0KD, 0KF)
Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit
4MB-8MB	4MB-6MB (081, 161) 4MB-8MB (A81, A61)	8MB-16MB	4MB (081, 161, 321) 4MB-8MB (A16, A31)	4MB-32MB (0G5, 0G9) 8MB-32MB (0J5, 0J9, 0KD) 32MB	4MB-32MB (0G9, 0GF) 8MB-32MB (0J9, 0JD, 0JF, 0KD, 0KF) 32MB
16MB	16MB	16MB	16MB		
Yes VGA Yes Yes/gas plasma Yes Optional Optional No Yes Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes Yes	Yes XGA Yes Yes/gas plasma Yes Standard Optional Yes Yes Yes Yes	Yes VGA Yes No Yes Standard Optional Yes Yes Yes Yes	Yes XGA Yes No Yes Standard Optional Yes Yes Yes Yes	Yes XGA Yes No Yes Standard Optional Yes Yes Yes Yes
1.44MB/1	1.44MB/2	1.44MB/1	1.44MB/2	1.44MB/2	1.44MB/2
120	80 (081, A81) 160 (161, A61)	160 (161) 400 (401)	80-1.04GB (081) 160-1.12GB (161, A16) 320-1.28GB (321, A31)	80-880 (0G5, 0J5) 160-960 (0G9, 0J9) 320-1.12GB (0KD)	160-1.7GB (0G9, 0J9) 320-1.9GB (0JD, 0KD) 400-2.0GB (0GF, 0JF, 0KF)
23ms	16ms	16ms (160MB) 11.5ms (400MB)	17ms (80MB) 16ms (160MB) 12.5ms (320MB)	17ms (80MB) 16ms (160MB) 12.5ms (320MB)	16ms (160MB) 12.5ms (320MB) 11.5ms (400MB)
2 <sup>10</sup>	3	4 <sup>12</sup>	7	3	6
85-watt	132-watt	120-watt	225-watt 242-watt (A16, A31)	194-watt	329-watt
3.3, 4.0, 5.0 SE, EE 1.2, 1.3 1.21	3.3, 4.0, 5.0 SE, EE 1.2, 1.3 No	3.3, 4.0, 5.0 SE, EE 1.2, 1.3 1.21	3.3, 4.0, 5.0 SE, EE 1.2, 1.3 1.21	3.3, 4.0, 5.0 SE, EE 1.2, 1.3 1.21	3.3, 4.0, 5.0 SE, EE 1.2, 1.3 1.21

<sup>11</sup> Has an AT bus external expansion port instead.

<sup>12</sup> Two full-size, two half-size.

<sup>13</sup> A future release of OS/2 LAN Server will provide OS/2 client support for remote program load in a Token-Ring Network.

<sup>14</sup> OS/2 client support will be available in a future release of OS/2 LAN Server.



