

System	Date	Size	BASIC	Model	Assembler
<u>PC</u>	04/24/81	40KB	C1.00	FF	ASM86 1.x
<u>PC</u>	10/19/81	40KB	C1.00	FF	ASM86 1.x
<u>PC</u>	10/27/82	40KB	C1.00	FF	ASM86 2.x
<u>XT</u>	11/08/82	40KB	C1.10	FE	ASM86 2.x
<u>JR</u>	06/01/83	64KB	C1.20	FD	MASM 1.0
<u>AT</u>	01/10/84	64KB	C1.10	FC	MASM 1.0
<u>AT</u>	06/10/85	64KB	C1.10	FC,00,01	MASM 2.0
<u>CONV</u>	09/13/85	64KB	C1.10	F9,00,00	MASM 2.0
<u>AT</u>	11/15/85	64KB	C1.10	FC,01,00	MASM 2.0
<u>XT</u>	01/10/86	64KB	C1.10	FB,00,01	MASM 2.0
<u>XT286</u>	04/21/86	64KB	C1.10	FC,02,00	MASM 2.0
<u>XT</u>	05/09/86	64KB	C1.10	FB,00,02	MASM 2.0

PC BIOS version 1 (04/24/81)

40KB, includes BASIC C1.00

model byte FF

1 source file, built with Intel ASM86 1.x

only recognizes up to 544KB

360KB floppy disks supported

cassette port supported

BIOS functions:

- INT 05 (print screen) (F000:FF54)
- INT 08 (IRQ0 - timer interrupt) (F000:FEA5)
- INT 09 (IRQ1 - keyboard interrupt) (F000:E987)
- INT 0E (IRQ6 - floppy drive interrupt) (F000:EF57)
- INT 10 functions 00-0F (video) (F000:F065)
- INT 11 (equipment check) (F000:F84D)
- INT 12 (memory size) (F000:F841)
- INT 13 functions 00-05 (diskette) (F000:EC59)
- INT 14 functions 00-03 (serial port) (F000:E739)
- INT 15 functions 00-03 (cassette port) (F000:F859)
- INT 16 functions 00-02 (keyboard) (F000:E82E)
- INT 17 functions 00-02 (printer) (F000:efd2)
- INT 18 (BASIC) (F600:0000)
- INT 19 (bootstrap) (F000:E6F2)
- INT 1A functions 00-01 (time of day) (F000:FE6E)
- INT 1B (ctrl-break)
- INT 1C (timer tick)
- INT 1D (video parameters) (F000:F0A4)
- INT 1E (diskette parameters) (F000:efc7)
- INT 1F (video font pointer)

PC BIOS version 2 (10/19/81)

40KB, includes BASIC C1.00

model byte FF

1 source file, built with Intel ASM86 1.x

minor bug fixes

BIOS functions:

- same as PC BIOS version 1

PC BIOS version 3 (10/27/82)

40KB, includes BASIC C1.00

model byte FF

1 source file, built with Intel ASM86 2.x

recognizes full 640KB

scans for adapter ROM between segments C800 and F600

BIOS functions:

- same as PC BIOS version 2

PC XT BIOS version 1 (11/08/82) - also used by Portable PC

40KB, includes BASIC C1.10

model byte FE

1 source file, built with Intel ASM86 2.x

cassette support dropped

360KB floppy disks supported

scans for adapter ROM between segments C800 and F600

fixed disk supported by external adapter BIOS supporting INT 13 functions 00-14

BIOS functions:

- same as PC BIOS version 3 except INT 15 functions 00-03 (cassette port) removed

PC XT BIOS version 2 (01/10/86)

64KB, includes BASIC C1.10

model byte FB, submodel byte 00, BIOS revision byte 01

8 source files, 2 include files, built with IBM MASM 2.0

360KB, 1.2MB and 720KB floppy disks supported

enhanced keyboard supported

scans for video ROM between segments C000 and C800

scans for adapter ROM between segments C800 and F000

BIOS functions: (relative to PC XT BIOS version 1)

- INT 10 function 13 added (video)
- INT 13 functions 08, 15-18 added (diskette)
- INT 15 functions 4F, 80-82, 84-85, 90-91, C0 added (extended services)
- INT 16 functions 05, 10-12 added (keyboard)
- INT 1A functions 0A-0B added (time of day)

PC XT BIOS version 3 (05/09/86)

64KB, includes BASIC C1.10

model byte FB, submodel byte 00, BIOS revision byte 02

8 source files, 2 include files, built with IBM MASM 2.0

minor bug fixes

BIOS functions:

- same as PC XT BIOS version 2

PC AT BIOS version 1 (01/10/84) - used on 6MHz PC AT systems only

64KB, includes BASIC C1.10

model byte FC

20 source files, 6 include files, built with IBM MASM 1.0

360KB and 1.2MB floppy disks supported

14 fixed disk types supported

real-time clock supported

scans for video ROM between segments C000 and C800

scans for adapter ROM between C800 and E000

BIOS functions:

- INT 05 (print screen)
- INT 08 (IRQ0 - timer interrupt)
- INT 09 (IRQ1 - keyboard interrupt)
- INT 0E (IRQ6 - floppy drive interrupt)
- INT 10 functions 00-0F, 13 (video)
- INT 11 (equipment check)
- INT 12 (memory size)
- INT 13 functions 00-05, 15-17 (diskette)
- INT 13 functions 00-05, 08-0D, 10-11, 14-15 (disk)
- INT 14 functions 00-03 (serial port)
- INT 15 functions 80-89, 90-91 (extended services)
- INT 16 functions 00-02 (keyboard)
- INT 17 functions 00-02 (printer)
- INT 18 (BASIC)
- INT 19 (bootstrap)
- INT 1A functions 00-07 (time of day)
- INT 1B (ctrl-break)
- INT 1C (timer tick)
- INT 1D (video parameters)
- INT 1E (diskette parameters)
- INT 1F (video font pointer)
- INT 41 (fixed disk 1 parameters)

- INT 46 (fixed disk 2 parameters)
- INT 4A (alarm)
- INT 70 (IRQ8 - real-time clock interrupt)
- INT 71 (IRQ9 - redirect)
- INT 75 (IRQ13 - FPU interrupt)
- INT 76 (IRQ14 - fixed disk interrupt)

PC AT BIOS version 2 (06/10/85) - used on 6MHz PC AT systems only

64KB, includes BASIC C1.10

model byte FC, submodel byte 00, BIOS revision byte 01

16 source files, 4 include files, built with IBM MASM 2.0

checks for a 6MHz system

360KB, 1.2MB and 720KB floppy disks supported

22 fixed disk types supported

BIOS functions: (relative to PC AT BIOS version 1)

- INT 13 function 08 added (diskette)
- INT 15 functions 4F, C0 added (extended services)

PC AT BIOS version 3 (11/15/85) - used on 8MHz PC AT systems only

64KB, includes BASIC C1.10

model byte FC, submodel byte 01, BIOS revision byte 00

16 source files, 4 include files, built with IBM MASM 2.0

checks for a 8MHz system

360KB, 1.2MB, 720KB and 1.44MB floppy disks supported

22 fixed disk types supported

enhanced keyboard supported

BIOS functions: (relative to PC AT BIOS version 2)

- INT 13 function 18 added (diskette)
- INT 16 functions 03, 05, 10-12 added (keyboard)

PC XT 286 BIOS (04/21/86)

64KB, includes BASIC C1.10

model byte FC, submodel byte 02, BIOS revision byte 00

16 source files, 4 include files, built with IBM MASM 2.0

checks for a 6MHz system

360KB, 1.2MB, 720KB and 1.44MB floppy disks supported

23 fixed disk types supported

real-time clock supported

enhanced keyboard supported

scans for video ROM between segments C000 and C800

scans for adapter ROM between C800 and E000

BIOS functions: (same as PC AT BIOS version 3)

- INT 05 (print screen)
- INT 08 (IRQ0 - timer interrupt)
- INT 09 (IRQ1 - keyboard interrupt)
- INT 0E (IRQ6 - floppy drive interrupt)
- INT 10 functions 00-0F, 13 (video)
- INT 11 (equipment check)
- INT 12 (memory size)
- INT 13 functions 00-05, 08, 15-18 (diskette)
- INT 13 functions 00-05, 08-0D, 10-11, 14-15 (disk)
- INT 14 functions 00-03 (serial port)
- INT 15 functions 4F, 80-89, 90-91, C0 (extended services)
- INT 16 functions 00-03, 05, 10-12 (keyboard)
- INT 17 functions 00-02 (printer)
- INT 18 (BASIC)
- INT 19 (bootstrap)
- INT 1A functions 00-07 (time of day)
- INT 1B (ctrl-break)
- INT 1C (timer tick)
- INT 1D (video parameters)
- INT 1E (diskette parameters)
- INT 1F (video font pointer)
- INT 41 (fixed disk 1 parameters)
- INT 46 (fixed disk 2 parameters)

- INT 4A (alarm)
- INT 70 (IRQ8 - real-time clock interrupt)
- INT 71 (IRQ9 - redirect)
- INT 75 (IRQ13 - FPU interrupt)
- INT 76 (IRQ14 - fixed disk interrupt)

PCjr BIOS (06/01/83)

64KB, includes BASIC C1.20

model byte FD

1 source file, built with IBM MASM 1.0

360KB floppy disks supported

cassette port supported

scans for adapter ROM between segments C000 and F000

BIOS functions: (relative to PC BIOS version 3)

- INT 10 function 10 added (video)
- INT 16 functions 03-04 added (keyboard)
- INT 1A functions 80 added (sound)
- INT 44 (video font pointer)
- INT 48 (cordless keyboard scan code translation routine)
- INT 49 (non-keyboard scan code translation table)

PC Convertible BIOS (09/13/85)

64KB, includes BASIC C1.10

model byte F9, submodel byte 00, BIOS revision byte 00

multiple source files, built with IBM MASM 2.0

360KB and 720KB floppy disks supported

real-time clock supported

scans for video ROM between segments C000 and C800

scans for adapter ROM between segments C800 and F000

BIOS functions: (relative to PC BIOS version 3)

- INT 02 (NMI - used for various system interrupts)
- INT 10 functions 13-15 added (video)
- INT 13 functions 08, 15-17 added (diskette)
- INT 15 functions 00-03 (cassette port) removed
- INT 15 functions 40-44, 4F, 80-83, 85-86, 90-91, C0 added (extended services)
- INT 16 functions 04 added (keyboard)
- INT 1A functions 02-09 added (time of day)
- INT 4A (alarm)
- INT 6C (resume vector)

Çevir

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