

Entwicklungsunterlagen

CP/M-2.2 BIOS-Funktionen

Funktion	Offs zu @0001	Nr (Turbo-Pascal)	Beschreibung	in	out
BOOT	-3	-1	Cold start routine	-	-
WBOOT	0	0	Warm boot - reload command processor	-	-
CONST	3	1	Console status	-	A=Status (0=no key, 0FFh=key pressed)
CONIN	6	2	Console input, wait for key	-	A=key
CONOUT	9	3	Console output	C=char	-
LIST	12	4	Printer output, wait for ready	C=char	-
PUNCH	15	5	Paper tape punch output	C=char	-
READER	18	6	Paper tape reader input	-	A=char
HOME	21	7	Move disc head to track 0	-	-
SELDSK	24	8	Select disc drive	C=drive(0=A,1=B,..)	HL=dph, 0000 as error indicator
SETTRK	27	9	Set track number	BC=track(0..nn)	-
SETSEC	30	10	Set sector number	BC=sector(0..nn)	-
SETDMA	33	11	Set DMA address	BC=dma	-
READ	36	12	Read a sector	-	A=0 for OK, 1 for unrecoverable error, 0FFh if media changed
WRITE	39	13	Write a sector	C=0 Write can be deferred, C=1 Write must be immediate, C=2 Write can be deferred, no pre-read is necessary	A=0 for OK, 1 for unrecoverable error, 2 if disc is readonly, 0FFh if media changed
LISTST	42	14	Status of list device	-	A=0 (not ready) or A=0FFh (ready)
SECTRAN	45	15	Sector translation for skewing	BC=logical sector number (zero based) DE=address of translation table	HL = physical sector number

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Number	Hex	Function Name	Input	Output
0	0	System Reset	-	-
1	1	Console Input	-	A = ASCII char
2	2	Console Output	E = char	-
3	3	Reader Input	-	A = ASCII char
4	4	Punch Output	E = char	-
5	5	List Output	E = char	-
6	6	Direct Console I/O	E = 0FFH (input)	A = char
			E = 0FEH (status)	A = status
			E = char	-
7	7	Get I/O Byte	-	A = I/O byte value
8	8	Set I/O Byte	E = I/O byte	-
9	9	Print String	DE = Buffer Address	-
10	A	Read Console String	DE = Buffer	Console characters in Buffer
11	B	Get Console Status	-	A = 00/non zero
12	C	Return Version #	-	HL = Version #
13	D	Reset Disk System	-	-
14	E	Select Disk	E = Disk #	-
15	F	Open File	DE = FCB address	A = FF if not found
16	10	Close File	DE = FCB address	A = FF if not found
17	11	Search For First	DE = FCB address	A = Directory Code
18	12	Search For Next	-	A = Directory Code
19	13	Delete File	DE = FCB address	A = -
20	14	Read Sequential	DE = FCB address	A = Error Code
21	15	Write Sequential	DE = FCB Address	A = Error Code
22	16	Make File	DE = FCB address	A = FF if no DIR Space
23	17	Rename File	DE = FCB address	A = FF if not found
24	18	Return Login Vector	-	HL = Login Vector*
25	19	Return Current Disk	-	A = Current Disk Number
26	1A	Set DMA Address	DE = DMA address	-
27	1B	Get ADDR (ALLOC)	-	HL = ALLOC address*
28	1C	Write Protect Disk	-	-
29	1D	Get Read/only Vector	-	HL = ALLOC address*
30	1E	Set File Attributes	DE = FCB address	A = -
31	1F	Get ADDR (Disk Parms)	-	HL = DPB address
32	20	Set/Get User Code	E = 0FFH for Get	A = User Number
			E = 00 to 0FH for Set	-
33	21	Read Random	DE = FCB address	A = Error
34	22	Write Random	DE = FCB address	A = Error Code
35	23	Compute File Size	DE = FCB address	r0, r1, r2
36	24	Set Random Record	DE = FCB address	r0, r1, r2
37	25	Reset Drive	DE = Drive Vector	A = 0
38	26	Access Drive	not supported	
39	27	Free Drive	not supported	
40	28	Write Random w/Fill	DE = FCB	A = error code

* Note that A=L, and B=H upon return.

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