(AH)	Operation	Additional Input Registers	Result Registers
Keyb	oard Functions		
1	Wait for keyboard character, then display it (with Ctrl-Break check)*	None	(AL) = Character
6	Read keyboard character (no Ctrl-Break check)*	(DL) = OFFH	(AL) = Character, if available = 0, if no character is available
7	Wait for keyboard character, but do not display it (no Ctrl-Break check)*	None	(AL) = Character
8	Same as function 7, but with Ctrl-Break check*	None	(AL) = Character
Α	Read keyboard string into buffer	(DS:DX) = Buffer address First buffer byte = Buffer size	Second buffer byte = Number of chars. read
В	Read keyboard status	None	(AL) = 0FFH if no character is available= 0 if character is available
С	Clear keyboard buffer and call a keyboard function	(AL) = Keyboard function number (1, 6, 7, 8, or A)	Per keyboard function
Some	key combinations generate "extended codes	" and may require two function calls. See Section 6.4 for details.	
Displa	ay Functions		
2	Display a character (with Ctrl-Break check)	(DL) = Character	None
5	Print a character	(DL) = Character	None
6	Display a character (no Ctrl-Break check)	(DL) = Character	None

(AH) Operation	Additional Input Registers	Result Registers
9	Display a string	(DS:DX) = String address String must end with \$.	None
Asyı	nchronous Communications Function	ns .	
3	Wait for asynchronous input character	None	(AL) = Character
4	Output a character to asynchronous device	(DL) = Character	None
File	Management Functions		
D	Reset default disk drive	None	None
E	Select default disk drive	(DL) = Drive number $(0 = A, 1 = B, 2 = C)$	(AL) = Number of disk drives (2 for single drive)
19	Get default drive code	None	(AL) = Default drive code (0 = A, 1 = B, 2 = C)
2E	-Set verify state	(DL) = 0 (AL) = 0 to turn verify off = 1 to turn verify on	None
Note: use	See the DOS 1.1 manual of the DOS Techn the Extended File Management functions.	rical Reference manual for other disk functions in the range (AH) = F th	arough (AH) = 2F. DOS 2 users show
Date	and Time Functions		
2A	Get date	None	(CX) = Year (1980-2099) (DH) = Month (1-12) (DL) = Day (1-31)
2B	Set date	(CX), (DX) = Date, in same format as function $2A$	(AL) = 0 if date is valid = FF if date is invalid
2C	Get time	None	(CH) = Hours (0-23) (CL) = Minutes (0-59)

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		Type 21 interrupt (continued).	
(AH)	Operation	Additional Input Registers	Result Registers
			(DH) = Seconds (0-59) (DL) = $1/100$ Seconds (0-99)
2D	Set time	(CX), (DX) = Time, in same format as function 2C	(AL) = 0 if time is valid = FF if time is invalid
Interi	rupt Vector Functions		
25	Set interrupt vector	(DS:DX) = Vector address (AL) = Interrupt number (type)	None
35	Read interrupt vector address	(AL) = Interrupt number (type)	(ES:BX) = Vector address
Direc	tory Functions (DOS 2 only)		
	Note: For "error	returned" codes, see Table 6-6.	
39	Create a directory (MKDIR)	(DS:DX) = Address of ASCIIZ string for directory	Error returned is 3 or 5.
3A	Remove a directory (RMDIR)	(DS:DX) = Address of ASCIIZ string for directory	Error returned is 3 or 5.
3B	Change the directory (CHDIR)	(DS:DX) = Address of ASCIIZ string for new directory	Error returned is 3.
47	Get current directory	(DL) = Drive number (0 = default, 1 = A, etc.) (DS:SI) = Address of 64-byte buffer	(DS:SI) = Address of ASCII string Error returned is 15.
Exten	nded File Management Functions (L	OOS 2 only)	
Note:	: For "error returned" codes, see T	Table 6-6.	
36	Get free disk space	(DL) = Drive number (0 = default, $1 = A$, etc.)	(AX) = OFFFFH if invalid = Sectors per cluster (BX) = No. of free clusters (DX) = Total no. of clusters (CX) = Bytes per sector
3C	Create a file	(DS:DX) = Address of ASCIIZ string (CX) = Attribute of file	(AX) = File handle Error returned is 3, 4, or 5.

Table 6-5.	Function calls	with the	Type 21	interrupt	(continued).

(AH)	Operation	Additional Input Registers	Result Registers (AX) = File handle Error returned is 2, 4, 5, or 12	
3D	Open a file	(DS:DX) = Address of ASCIIZ string (AL) = 0 to open for reading = 1 to open for writing = 2 to open for reading and writing		
3E	Close a file handle	(BX) = File handle	Error returned is 6.	
3F	Read from file or device	(BX) = File handle (CX) = No. of bytes to read (DS:DX) = Buffer address	(AX) = No. of bytes read = 0 if read from end of file Error returned is 5 or 6.	
40	Write to a file or device	(BX) = File handle (CX) = No. of bytes to write (DS:DX) = Buffer address	(AX) = No. of bytes written Error returned is 5 or 6.	
41	Delete a file	(DS:DX) = Address of ASCIIZ string	Errors returned are 2 or 5.	
43	Get file attribute	(AL) = 0 (DS:DX) = Address of ASCIIZ string for file	(CX) = Attribute Error returned is 2 or 5.	
43	Set file attribute	(AL) = 1 (DS:DX) = Address of ASCIIZ string for file (CX) = Attribute	Error returned is 2 or 5.	
54	Get verify state	None	(AL) = 0 if verify is off = 1 if verify is on	
56	Rename a file	(DS:DX) = Address of ASCIIZ string for old name (ES:DI) = Address of ASCIIZ string for new name	Error returned is 3, 5, or 17.	