



Note: This API call is for DOS and Win16 personality only. Use [Family API](#) for portability.

2018/09/07 05:04 · prokushev · [0 Comments](#)

Int 26H

Version

1 and higher

Brief

ABSOLUTE DISK WRITE (except partitions > 32M)

Family API

Input

```
AL = drive number (00h = A:, 01h = B:, etc)
CX = number of sectors to write (not FFFFh)
DX = starting logical sector number (0000h - highest sector on drive)
DS:BX -> data to write
```

Return

```
CF clear if successful
CF set on error
  AH = status (see #02547)
  AL = error code (same as passed to INT 24 in DI)
  AX = 0207h if more than 64K sectors on drive -- use new-style call
may destroy all other registers except segment registers
```

Macro

Notes

original flags are left on stack, and must be popped by caller
this call bypasses the DOS filesystem, though DOS 5+ invalidates any
disk buffers referencing sectors which are written with this call
examination of CPWIN386.CPL indicates that if this call fails with
error 0408h on an old-style (<32M) call, one should retry the
call with the high bit of the drive number in AL set
Novell DOS 7 decides whether the old-style or new-style (>32M) version
of INT 26 must be used solely on the basis of the partition's size,
thus forcing use of the new-style call even for data in the first
32M of the partition
Windows98 will display an error message and deliberately hang the
system on attempted write to any hard disk if neither bit 7 of the
Extended Drive Info byte nor bit 6 of "DOS_FLAG" (List-of-Lists+60h)
is set
Although all registers except segment registers may be destroyed
some software depends on some of the registers being preserved.
For example some Flash disk drivers requires that DX is not trashed.
DR-DOS 7.03 takes care of this.
BUGS: DOS 3.1 through 3.3 set the word at ES:[BP+1Eh] to FFFFh if AL is an
invalid drive number
DR DOS 3.41 will return with a jump instead of RETF, leaving the
wrong number of bytes on the stack; use the huge-partition version
(INT 26/CX=FFFFh) for all partition sizes under DR DOS 3.41
DR DOS 6.0 original releases 05/1991 & 08/1991 reported wrong error
codes for "drive not ready" and "write protect". This was fixed
with the DR DOS BDOS patch "PAT321" (1992/02/19, XDIR /C: 947Bh)
and later "full" rebuilds (see INT21/AX=4452h for details).

See Also

INT 13/AH=03h,INT 25,INT 26/CX=FFFFh,INT 21/AX=7305h,INT 21/AH=91h"PTS"

Note

Text based on [Ralf Brown Interrupt List Release 61](#)

DOS API	
Process manager	INT 20H, INT 21H : 00H, 25H, 26H, 31H, 34H, 35H, 4BH, 4CH, 4DH, 50H, 51H, 52H, 55H, 62H, INT 22H, INT 27H, INT 28H
File manager	INT 25H, INT 26H, INT 21H : 0DH, 0EH, 0FH, 10H, 11H, 12H, 13H, 14H, 15H, 16H, 17H, 19H, 1AH, 1BH, 1CH, 21H, 22H, 23H, 24H, 27H, 28H, 29H, 2EH, 2FH, 32H, 3305H, 36H, 39H, 3AH, 3BH, 3CH, 3DH, 3EH, 3FH, 40H, 41H, 42H, 4300H, 4301H, 45H, 45H, 46H, 4EH, 4FH, 54H, 56H, 5700H, 5701H, 5AH, 5BH, 5c00H, 5c01H, 60H, 67H, 68H, 6900H, 6901H, 6AH, 6CH

DOS API	
Character Device I/O	INT 29H, INT 21H: 01H, 02H, 03H, 04H, 05H, 06H, 07H, 08H, 09H, 0AH, 0BH, 0AH, 0CH, 5D07H, 5D08H, 5D09H, 5D0AH
Signals	INT 23H, INT 24H, INT 21H: 3300H, 3301H, 3302H
Memory manager	INT 21H: 48H, 49H, 4AH, 5800H, 5801H, 5802H, 5803H
Date and Time	INT 21H: 2AH, 2BH, 2CH, 2DH
Misc	INT 21H: 30H, 3306H, 3700H, 3701H, 3702H, 3703H, 59H
NLS	INT 21H: 3303H, 3304H, 3800H, 3801H, 6300H, 6301H, 6301H, 6500H, 6501H, 6502H, 6503H, 6504H, 6505H, 6506H, 6507H, 6520H, 6521H, 6522H, 6523H, 65A0H, 65A1H, 65A2H, 6601H, 6602H
Devices	INT 21H: 4400H, 4401H, 4402H, 4403H, 4404H, 4405H, 4406H, 4407H, 4408H, 4409H, 440AH, 440BH, 440CH, 440DH, 440EH, 440FH, 4410H, 4411H, 53H
Network	INT 21H: 5E00H, 5E01H, 5E02H, 5E03H, 5E04H, 5E05H, 5F00H, 5F01H, 5F02H, 5F03H, 5F04H, 5F05H, 5F07H, 5F08H

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Hardware info	@Equipment @MemSize
Serial I/O	@AuxInit @AuxSendChar @AuxRecieveChar @AuxStatus
Tape I/O	@TapeOn @TapeOff @TapeRead @TapeWrite
Keyboard I/O	@KbdStatus @CharIn @CharPeek
Printer I/O	@PrnPrint @PrnInit @PrnStatus
Disk I/O	@DskReset @DskStatus @DskRead @DskWrite @DskVerify @DskFormat
Date and Time	@SetTime @GetTime
Mouse	@MouInit @MouShowPointer @MouStatus @MouSetPos @MouSetMickey @MouRegion
Memory manager	@ModBlok SET_BLOCK

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Family API

DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHoldSignal DosSetSigHandler
	Misc	BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec

Family API	
KBD	KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek
VIO	VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp
Tools	BIND
Modules	DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL
Libraries	API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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