



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

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# Int 21H, AH=69H, AL=00H

## Version

4 and higher

## Brief

get serial number

## Family API

## Input

```
AX = 6900h get serial number
  BL = drive (0=default, 1=A, 2=B, etc)
  BH = info level (00h only for DOS; OS/2 allows other levels)
  DS:DX -> disk info (see #01766)
```

## Return

```
CF set on error
AX = error code (see #01680 at AH=59h/BX=0000h)
CF clear if successful
AX destroyed
buffer filled with appropriate values from extended BPB
```

## Macro

## Notes

Does not generate a critical error; all errors are returned in AX. Error 0005h given if no extended BPB on disk. Does not work on network drives (error 0001h). Buffer after first two bytes is exact copy of bytes 27h thru 3Dh of extended BPB on disk. This function is supported under Novell NetWare versions 2.0A through 3.11; the returned serial number is the one a DIR would display, the volume label is the NetWare volume label, and the file system is set to "FAT16".. This function is not supported by Novell DOS 7 through Update 13, but Personal NetWare 1.0 and Update 15 do support this function. The serial number is computed from the current date and time when the disk is created; the first part is the sum of the seconds/hundredths and month/day, the second part is the sum of the hours/minutes and year. The volume label which is read or set is the one stored in the extended BPB on disks formatted with DOS 4.0+, rather than the special root directory entry used by the DIR command in COMMAND.COM (use AH=11h to find that volume label)

## See also

AX=[440Dh](#)

## Note

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

| DOS API              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Process manager      | <a href="#">INT 20H</a> , <a href="#">INT 21H</a> : <a href="#">00H</a> , <a href="#">25H</a> , <a href="#">26H</a> , <a href="#">31H</a> , <a href="#">34H</a> , <a href="#">35H</a> , <a href="#">4BH</a> , <a href="#">4CH</a> , <a href="#">4DH</a> , <a href="#">50H</a> , <a href="#">51H</a> , <a href="#">52H</a> , <a href="#">55H</a> , <a href="#">62H</a> , <a href="#">INT 22H</a> , <a href="#">INT 27H</a> , <a href="#">INT 28H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| File manager         | <a href="#">INT 25H</a> , <a href="#">INT 26H</a> , <a href="#">INT 21H</a> : <a href="#">0DH</a> , <a href="#">0EH</a> , <a href="#">0FH</a> , <a href="#">10H</a> , <a href="#">11H</a> , <a href="#">12H</a> , <a href="#">13H</a> , <a href="#">14H</a> , <a href="#">15H</a> , <a href="#">16H</a> , <a href="#">17H</a> , <a href="#">19H</a> , <a href="#">1AH</a> , <a href="#">1BH</a> , <a href="#">1CH</a> , <a href="#">21H</a> , <a href="#">22H</a> , <a href="#">23H</a> , <a href="#">24H</a> , <a href="#">27H</a> , <a href="#">28H</a> , <a href="#">29H</a> , <a href="#">2EH</a> , <a href="#">2FH</a> , <a href="#">32H</a> , <a href="#">3305H</a> , <a href="#">36H</a> , <a href="#">39H</a> , <a href="#">3AH</a> , <a href="#">3BH</a> , <a href="#">3CH</a> , <a href="#">3DH</a> , <a href="#">3EH</a> , <a href="#">3FH</a> , <a href="#">40H</a> , <a href="#">41H</a> , <a href="#">42H</a> , <a href="#">4300H</a> , <a href="#">4301H</a> , <a href="#">45H</a> , <a href="#">45H</a> , <a href="#">46H</a> , <a href="#">4EH</a> , <a href="#">4FH</a> , <a href="#">54H</a> , <a href="#">56H</a> , <a href="#">5700H</a> , <a href="#">5701H</a> , <a href="#">5AH</a> , <a href="#">5BH</a> , <a href="#">5c00H</a> , <a href="#">5c01H</a> , <a href="#">60H</a> , <a href="#">67H</a> , <a href="#">68H</a> , <a href="#">6900H</a> , <a href="#">6901H</a> , <a href="#">6AH</a> , <a href="#">6CH</a> |
| Character Device I/O | <a href="#">INT 29H</a> , <a href="#">INT 21H</a> : <a href="#">01H</a> , <a href="#">02H</a> , <a href="#">03H</a> , <a href="#">04H</a> , <a href="#">05H</a> , <a href="#">06H</a> , <a href="#">07H</a> , <a href="#">08H</a> , <a href="#">09H</a> , <a href="#">0AH</a> , <a href="#">0BH</a> , <a href="#">0AH</a> , <a href="#">0CH</a> , <a href="#">5D07H</a> , <a href="#">5D08H</a> , <a href="#">5D09H</a> , <a href="#">5D0AH</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Signals              | <a href="#">INT 23H</a> , <a href="#">INT 24H</a> , <a href="#">INT 21H</a> : <a href="#">3300H</a> , <a href="#">3301H</a> , <a href="#">3302H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Memory manager       | <a href="#">INT 21H</a> : <a href="#">48H</a> , <a href="#">49H</a> , <a href="#">4AH</a> , <a href="#">5800H</a> , <a href="#">5801H</a> , <a href="#">5802H</a> , <a href="#">5803H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Date and Time        | <a href="#">INT 21H</a> : <a href="#">2AH</a> , <a href="#">2BH</a> , <a href="#">2CH</a> , <a href="#">2DH</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Misc                 | <a href="#">INT 21H</a> : <a href="#">30H</a> , <a href="#">3306H</a> , <a href="#">3700H</a> , <a href="#">3701H</a> , <a href="#">3702H</a> , <a href="#">3703H</a> , <a href="#">59H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NLS                  | <a href="#">INT 21H</a> : <a href="#">3303H</a> , <a href="#">3304H</a> , <a href="#">3800H</a> , <a href="#">3801H</a> , <a href="#">6300H</a> , <a href="#">6301H</a> , <a href="#">6301H</a> , <a href="#">6500H</a> , <a href="#">6501H</a> , <a href="#">6502H</a> , <a href="#">6503H</a> , <a href="#">6504H</a> , <a href="#">6505H</a> , <a href="#">6506H</a> , <a href="#">6507H</a> , <a href="#">6520H</a> , <a href="#">6521H</a> , <a href="#">6522H</a> , <a href="#">6523H</a> , <a href="#">65A0H</a> , <a href="#">65A1H</a> , <a href="#">65A2H</a> , <a href="#">6601H</a> , <a href="#">6602H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Devices              | <a href="#">INT 21H</a> : <a href="#">4400H</a> , <a href="#">4401H</a> , <a href="#">4402H</a> , <a href="#">4403H</a> , <a href="#">4404H</a> , <a href="#">4405H</a> , <a href="#">4406H</a> , <a href="#">4407H</a> , <a href="#">4408H</a> , <a href="#">4409H</a> , <a href="#">440AH</a> , <a href="#">440BH</a> , <a href="#">440CH</a> , <a href="#">440DH</a> , <a href="#">440EH</a> , <a href="#">440FH</a> , <a href="#">4410H</a> , <a href="#">4411H</a> , <a href="#">53H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Network              | <a href="#">INT 21H</a> : <a href="#">5E00H</a> , <a href="#">5E01H</a> , <a href="#">5E02H</a> , <a href="#">5E03H</a> , <a href="#">5E04H</a> , <a href="#">5E05H</a> , <a href="#">5F00H</a> , <a href="#">5F01H</a> , <a href="#">5F02H</a> , <a href="#">5F03H</a> , <a href="#">5F04H</a> , <a href="#">5F05H</a> , <a href="#">5F07H</a> , <a href="#">5F08H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## osFree Macro Library

|                |                                                                                                                                                                                                                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video I/O      | @SetMode @SetCurSz @SetCurPos @GetCur @SetPage @ScrollUp @ScrollDn @Scroll @GetChAtr @PutChAtr @PutCh @SetPalet @SetColor @SetDot @GetDot @WrtTTY @VideoState @GetMode @GetDisplay @GetVideoState @GetEGAInfo @Cls |
| 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                                                                                                                                                                                                                                                                              |
| 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 KBDSCALLS.DLL MSG.DLL                                                                                                                                                                                                                                                                                                                  |
| Libraries |                 | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB                                                                                                                                                                                                                                                                                                            |

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