

Note: This IBM PC BIOS API call is for DOS/Win16 personality only. Use Family API for portability.

Note: osFree Macro Library provides macros for most of functions

2022/03/13 05:41 · prokushev · 0 Comments

Int 10H, AH=0FH

Version

IBM 5150 and higher

Brief

Get video mode/status

osFree Macro Library

@GetMode/@VideoState

Family API

VioGetMode

Parameters

- AH = 0Fh

Return

- AH = number of character columns
- AL = display mode (see #00010 at AH=00h)
- BH = active page (see AH=05h)

Macro

```
INCLUDE BIOS.INC

@GetMode
@VideoState
```

Notes

- if mode was set with bit 7 set (“no blanking”), the returned mode will also have bit 7 set
- EGA, VGA, and UltraVision return either AL=03h (color) or AL=07h (monochrome) in all extended-row text modes
- HP 200LX returns AL=07h (monochrome) if mode was set to AL=21h and always 80 resp. 40 columns in all text modes regardless of current zoom setting (see AH=D0h)
- when using a Hercules Graphics Card, additional checks are necessary:
  - mode 05h: if WORD 0040h:0063h is 03B4h, may be in graphics page 1 (as set by DOSSHELL and other Microsoft software)
  - mode 06h: if WORD 0040h:0063h is 03B4h, may be in graphics page 0 (as set by DOSSHELL and other Microsoft software)
  - mode 07h: if BYTE 0040h:0065h bit 1 is set, Hercules card is in graphics mode, with bit 7 indicating the page (mode set by Hercules driver for Borland Turbo C)
- the Tandy 2000 BIOS is only documented as returning AL, not AH or BH
- Text based on Ralf Brown Interrupt List Release 61

IBM PC BIOS API	
Video I/O	**INT 10H**: 00H, 01H, 02H, 03H, 05H, 06H, 07H, 08H, 09H, 0AH, 0BH, 0CH, 0DH, 0EH, 0FH
Hardware info	INT 11H, INT 12H
Serial I/O	**INT 14H**: 00H, 01H, 02H, 03H
Tape I/O	**INT 15H**: 00H, 01H, 02H, 03H
Keyboard I/O	**INT 16H**: 00H, 01H, 02H
Printer I/O	**INT 17H**: 00H, 01H, 02H
Disk I/O	**INT 13H**: 00H, 01H, 02H, 03H, 04H, 05H
Date and Time	**INT 1AH**: 00H, 01H
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

osFree Macro Library	
Mouse	@MouInit @MouShowPointer @MouStatus @MouSetPos @MouSetMickey @MouRegion
Memory manager	@ModBlok SET_BLOCK

2022/10/04 14:28 · prokushev · 0 Comments
2022/03/13 05:54 · prokushev · 0 Comments

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 DosShutdown
	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 KBDCALLS.DLL MSG.DLL
Libraries		API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

2018/08/25 15:05 · prokushev · 0 Comments

From:
http://ftp.osfree.org/doku/ - **osFree wiki**

Permanent link:
http://ftp.osfree.org/doku/doku.php?id=en:docs:bios:api:int10:0f

Last update: **2022/12/03 02:52**