



This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

**Note:** This is legacy API call. It is recommended to use 32-bit equivalent

2021/09/17 04:47 · prokushev · [0 Comments](#)

2021/08/20 03:18 · prokushev · [0 Comments](#)

OS/2 1.0 introduced around 80-90 function calls (various information sources differ) that could be used in FAPI programs.

| Name                              | Description                                                                                       | Module (OS/2)            | Library (DOS) | Status (OS/2) | Status (DOS) | FAPI Version |
|-----------------------------------|---------------------------------------------------------------------------------------------------|--------------------------|---------------|---------------|--------------|--------------|
| <a href="#">BadDynLink</a>        | Terminates execution with error message                                                           | -                        | API/FAPI      | -             | Done         | 1.00         |
| <a href="#">DosBeep</a>           | Generates sound from the speaker                                                                  | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosBufReset</a>       | Flushes a file cache buffers                                                                      | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.10         |
| <a href="#">DosChDir</a>          | Defines the current directory for the requesting process                                          | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosChgFilePtr</a>     | Moves the read/write pointer                                                                      | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosClose</a>          | Closes a handle to a file, pipe, or device                                                        | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosCreateCSAlias</a>  | Create CS alias from data segment                                                                 | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosCLIAccess</a>      | Request I/O privilege for disabling and enabling interrupts                                       | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosPortAccess</a>     | Request or release access to ports for I/O privilege                                              | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosDelete</a>         | Removes a directory entry associated with a file name                                             | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosDevConfig</a>      | Return device configuration                                                                       | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosDupHandle</a>      | Returns a new file handle for an open file                                                        | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosFreeSeg</a>        | Deallocates a memory segment                                                                      | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosGetDateTime</a>    | Get the current date and time                                                                     | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosGetEnv</a>         | Return process environment for the current process                                                | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosGetHugeShift</a>   | Return a shift count used to derive the selectors that address memory allocated with DosAllocHuge | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosGetMachineMode</a> | Returns the current mode of the processor                                                         | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosGetMessage</a>     | Retrieve a message from the specified system message file                                         | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |

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| <a href="#">DosGetVersion</a>  | Return the OS version number                                       | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosInsMessage</a>  | Insert variable text string information into the body of a message | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosMkDir</a>       | Create a subdirectory                                              | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosMkDir2</a>      | Create a subdirectory with EA                                      | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | ????         |
| <a href="#">DosMove</a>        | Move a file object to another location, change its name            | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosNewSize</a>     | Changes the size of a file                                         | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosPutMessage</a>  | Output the message                                                 | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosQCurDir</a>     | Returns the full path name of the current directory                | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosQCurDisk</a>    | Determines the current default drive for the requesting process    | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosQFileMode</a>   | Queries the mode (attribute) of the specified file                 | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosQFSInfo</a>     | Query file system info                                             | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosQVerify</a>     | Returns the value of the verify flag                               | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosRmDir</a>       | Removes a subdirectory from the specified disk                     | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosSelectDisk</a>  | Selects the drive specified as the default drive                   | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosSetDateTime</a> | Set the date and time                                              | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosSetFileInfo</a> | Set attribute and extended attribute information for a file        | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosSetFileMode</a> | Changes the mode (attribute) of the specified file                 | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosSetVerify</a>   | Sets write verification                                            | <a href="#">DOSCALLS</a> | API/FAPI      | Done          | Done         | 1.00         |
| <a href="#">DosSleep</a>       | Suspend the current thread for a specified time                    | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosSubAlloc</a>    | Suballocate portions of a segment                                  | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosSubFree</a>     | Free memory previously allocated by DosSubAlloc                    | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosSubSet</a>      | Initialize a segment for suballocation                             | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosWrite</a>       | Write buffer to file                                               | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosAllocHuge</a>   | Allocate multiple segments as a huge block of memory               | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosAllocSeg</a>    | Allocate a data segment up to 64KB in size                         | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosCaseMap</a>     | Case mapping on a string                                           | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.10         |

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| <a href="#">DosDevIOCtl</a>    | Control functions on a device                                                                               | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosDevIOCtl2</a>   | Control functions on a device                                                                               | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | ????         |
| <a href="#">DosError</a>       | Receive hard error notification                                                                             | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosErrClass</a>    | Receive hard error code information                                                                         | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.10         |
| <a href="#">DosExecPgm</a>     | Execute another program as a child process                                                                  | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosExit</a>        | End The current thread or process                                                                           | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosFileLocks</a>   | Locks and unlock a range in an opened file                                                                  | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosFindClose</a>   | Finish DosFindFirst or DosFindNext directory search function sequence                                       | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosFindFirst</a>   | Finds the first file object or group of file objects whose name(s) match the specification                  | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosFindFirst2</a>  | Finds the first file object or group of file objects whose name(s) match the specification                  | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | ???          |
| <a href="#">DosFindNext</a>    | Locate the next set of directory entries                                                                    | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosGetCtryInfo</a> | Obtain country-dependent formatting information that resides in the country information file                | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.10         |
| <a href="#">DosGetDBCSEv</a>   | Obtain a DBCS (double byte character set) environmental vector that resides in the country information file | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.10         |
| <a href="#">DosGetCP</a>       | Query the current process code page and the prepared system code pages                                      | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.10         |
| <a href="#">DosSetCP</a>       | Set process code page and the session's display code page and keyboard code page                            | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.10         |
| <a href="#">DosGetCollate</a>  | Obtain a collating sequence table                                                                           | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.10         |
| <a href="#">DosHoldSignal</a>  | Temporarily disable or enable signal processing for the current process                                     | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosOpen</a>        | Open a file, a named pipe, or a device                                                                      | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosOpen2</a>       | Open a file with extended attributes                                                                        | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | ????         |

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| <a href="#">DosQFileInfo</a>     | Return information for a specific file                                                | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosRead</a>          | Read the specified number of bytes from a file, pipe, or device to a buffer location  | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosReallocHuge</a>   | Change the size of memory originally allocated by <a href="#">DosAllocHuge</a>        | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosReallocSeg</a>    | Reallocate a segment after discard or changes the size of a segment already allocated | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosSetCtryCode</a>   |                                                                                       | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosSetFHandState</a> | Set the state of the specified file                                                   | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">DosSetSigHandler</a> | Set signal handler                                                                    | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosAllocShrSeg</a>   | Allocate a named shared memory segment to a process                                   | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosGetShrSeg</a>     | Accesses a shared memory segment previously allocated by another process              | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosLoadModule</a>    | Load a dynamic link module and returns a handle for the module                        | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosFreeModule</a>    | Free the reference to a dynamic link module for a process                             | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosQHandType</a>     | Get handle type                                                                       | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosGetProcAddr</a>   | Get module procedure address                                                          | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosGetPID</a>        | Get process id                                                                        | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">DosSetMaxFH</a>      | Set maximum file handlers                                                             | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosGetModHandle</a>  | Get module handle                                                                     | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosQPathInfo</a>     | Get path information                                                                  | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.??         |
| <a href="#">DosQFSAttach</a>     | Query information about an attached file system                                       | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.??         |
| <a href="#">DosQSysInfo</a>      | Query system variables values                                                         | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosMemAvail</a>      | Query maximum available huge memory block                                             | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">DosGetInfoSeg</a>    | Query global and local information segments                                           | <a href="#">DOSCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">KbdCharIn</a>        | Return a character data record from the keyboard                                      | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">KbdFlushBuffer</a>   | Clear the keystroke buffer                                                            | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">KbdGetStatus</a>     | Get the current state of the keyboard                                                 | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.00         |

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| <a href="#">KbdSetStatus</a>     | Set the characteristics of the keyboard                                                          | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">KbdStringIn</a>      | Read a character string (character codes only) from the keyboard                                 | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">KbdPeek</a>          | Return any available character data record from the keyboard without removing it from the buffer | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">KbdOpen</a>          | Create a new logical keyboard                                                                    | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">KbdClose</a>         | Close the existing logical keyboard                                                              | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">KbdGetFocus</a>      | Bind the logical keyboard to the physical keyboard                                               | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">KbdFreeFocus</a>     | Free the logical-to-physical keyboard bond                                                       | <a href="#">KBDCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">KbdGetCp</a>         | Query the code page being used to translate scan codes to ASCII characters                       | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">KbdSetCp</a>         | Set the code page used to translate key strokes received from the keyboard                       | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">KbdXlate</a>         | Translate scan codes with shift states into ASCII codes                                          | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">KbdSetCustXt</a>     | Install, on the specified handle, the translate table                                            | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">KbdGetHWId</a>       | Return the type of keyboard in use                                                               | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">KbdRegister</a>      | Registers a keyboard subsystem within a session                                                  | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">KbdDeRegister</a>    | Deregister a keyboard subsystem within a session                                                 | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouRegister</a>      | Register a mouse subsystem within a session                                                      | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouDeRegister</a>    | Deregister a mouse subsystem within a session                                                    | <a href="#">KBDCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetNumButtons</a> | Return the number of buttons supported on the installed mouse driver                             | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetNumMickeys</a> | Return the number of mickeys in each centimeter for the installed mouse driver                   | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetDevStatus</a>  | Return status flags for the installed mouse device driver                                        | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetNumQueEI</a>   | Return the current status for the mouse device driver event queue                                | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |

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| <a href="#">MouReadEventQue</a> | Read an event from the mouse device FIFO event queue                           | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetScaleFact</a> | Return a pair of 1-word scaling factors for the current mouse device           | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetEventMask</a> | Return the current value of the mouse event queue mask                         | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouSetScaleFact</a> | Assign to the current mouse device driver a new pair of 1-word scaling factors | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouSetEventMask</a> | Assign a new event mask to the current mouse device driver                     | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetHotKey</a>    | Return mouse button or buttons defined as system hot key                       | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouSetHotKey</a>    | Define mouse button or buttons as system hot key                               | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouOpen</a>         | Open the mouse device for the current session                                  | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouClose</a>        | Close the mouse device for the current session                                 | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetPtrShape</a>  | Get (copy) the pointer shape for the session                                   | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouSetPtrShape</a>  | Set the pointer shape and size for the session                                 | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouDrawPtr</a>      | Notify the mouse device driver that an area is now available                   | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouRemovePtr</a>    | Notify the mouse device driver that the area is not available                  | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouGetPtrPos</a>    | Query the current row and column coordinate                                    | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouSetPtrPos</a>    | Set a new row and column coordinate position                                   | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouInitReal</a>     | Initialize mouse pointer draw support for DOS mode                             | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouFlushQue</a>     | Flush (empty) the mouse event queue                                            | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">MouSetDevStatus</a> | Set the mouse device driver status flags                                       | <a href="#">MOUCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioGetBuf</a>       | Return the address of the logical video buffer (LVB)                           | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioGetCurPos</a>    | Return the coordinates of the cursor                                           | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioGetCurType</a>   | Get cursor type                                                                | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |



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| <a href="#">VioGetPhysBuf</a>    | Get addressability to the physical display buffer                                           | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">VioReadCellStr</a>   | Read a string of character-attribute pairs from the screen                                  | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioReadCharStr</a>   | Read a string of characters from the display                                                | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioScrollDn</a>      | Scroll the entire display buffer (or area specified within the display buffer) down         | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioScrollLf</a>      | Scroll the entire display buffer (or area specified within the display buffer) to the left  | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">VioScrollRt</a>      | Scroll the entire display buffer (or area specified within the display buffer) to the right | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.00         |
| <a href="#">VioScrUnLock</a>     | Release ownership of (unlocks) the physical display buffer                                  | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioSetCurPos</a>     | Set the cursor's coordinates on the screen                                                  | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioSetCurType</a>    | Set the cursor type                                                                         | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioSetMode</a>       | Set the mode of the display                                                                 | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioShowBuf</a>       | Update the physical display buffer with the logical video buffer (LVB)                      | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioWrtCellStr</a>    | Write a string of character-attribute pairs (cells) to the display                          | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioWrtCharStr</a>    | Write a character string to the display                                                     | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioWrtCharStrAtt</a> | Write a character string with repeated attribute to the display                             | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioWrtNAttr</a>      | Write an attribute to the display a specified number of times                               | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioWrtNCell</a>      | Write a cell (character-attribute pair) to the display a specified number of times          | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioWrtNChar</a>      | Write a character to the display a specified number of times                                | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioWrtTTY</a>        | Write a character string to the display starting at the current cursor position             | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |

| Name                             | Description                                                                       | Module (OS/2)            | Library (DOS) | Status (OS/2) | Status (DOS) | FAPI Version |
|----------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|---------------|--------------|--------------|
| <a href="#">VioScrLock</a>       | Request ownership of (locks) the physical display buffer                          | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.00         |
| <a href="#">VioGetMode</a>       | Return the mode of the display                                                    | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">VioGetConfig</a>     | Return the video display configuration                                            | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.??         |
| <a href="#">VioGetAnsi</a>       | Return the current ANSI status On/Off state                                       | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">VioSetAnsi</a>       | Activate or deactivate ANSI support                                               | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">VioScrollUp</a>      | Scroll the entire display buffer (or area specified within the display buffer) up | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">VioDeRegister</a>    | Deregister alternate video system                                                 | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">VioRegister</a>      | Register alternate video system                                                   | <a href="#">VIOCALLS</a> | API/FAPI      |               | Done         | 1.20         |
| <a href="#">VioGetState</a>      | Return the current settings of adapter                                            | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.??         |
| <a href="#">VioSetState</a>      | Set the current settings of adapter                                               | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.??         |
| <a href="#">VioGetCP</a>         | Query the code page for display                                                   | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioSetCP</a>         | Set the code page for display                                                     | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioGetFont</a>       | Get current font                                                                  | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.??         |
| <a href="#">VioSetFont</a>       | Set current font                                                                  | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.??         |
| <a href="#">VioModeWait</a>      | Notify process about it must restore its video mode                               | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioModeUndo</a>      | Allow one thread within a process to cancel a VioModeWait                         | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioPopUp</a>         | Show temporary screen to display message                                          | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioEndPopUp</a>      | Return from temporary screen                                                      | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioSavRedrawWait</a> | Notifies application when it must save/redraw its screen                          | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioSavRedrawUndo</a> | Allow one thread within a process to cancel a VioSavRedrawWait                    | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioPrtSc</a>         | Dump screen to printer                                                            | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">VioPrtScToggle</a>   | Toggle VioWrtTty also write to printer                                            | <a href="#">VIOCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">DosSysTrace</a>      | Write trace entry                                                                 | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.20         |
| <a href="#">DosGetSTDA</a>       | Return Trace buffer                                                               | <a href="#">DOSCALLS</a> | API/FAPI      |               |              | 1.20         |



# Compatibility

| Feature             | DOS 16-bit Real Mode | DOS 16-bit Protected Mode <sup>1)</sup> | OS/2 16-bit Protected Mode |
|---------------------|----------------------|-----------------------------------------|----------------------------|
| Max memory          | 640KB                | 16MB <sup>2)</sup>                      | 16MB                       |
| Virtual memory      | No                   | No                                      | 1Gb                        |
| Multitasking        | No                   | No                                      | Yes                        |
| Multithreading      | No                   | No                                      | Yes                        |
| Long filenames      | Yes <sup>3)</sup>    | Yes <sup>4)</sup>                       | Yes <sup>5)</sup>          |
| Extended attributes | Yes <sup>6)</sup>    | Yes <sup>7)</sup>                       | Yes <sup>8)</sup>          |
| App EXE name change | Yes <sup>9)</sup>    | Yes <sup>10)</sup>                      | Yes                        |

## Remarks

For implementation details refer to [Implementation details](#) section.

- <sup>1)</sup>  
Requires DPML host with 16-bit client support
- <sup>2)</sup>  
Actually depends on DPML host and current CPU
- <sup>3)</sup> <sup>4)</sup>  
,  
Supported since version 1.20 Requires LFN driver under DOS or run in Windows 9x VDM.
- <sup>5)</sup> <sup>8)</sup>  
,  
Starting from OS/2 1.??
- <sup>6)</sup> <sup>7)</sup>  
,  
Under OS/2 BOX only
- <sup>9)</sup> <sup>10)</sup>  
,  
Under DOS 3 and higher

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