



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](#)

# DosGetProcAddress

This call returns a far address to a desired procedure within a dynamic link module.

## Syntax

```
DosGetProcAddress (ModuleHandle, ProcName, ProcAddress)
```

## Parameters

- ModuleHandle ([HMODULE](#)) - input: Handle of the dynamic link module.
- ProcName ([PSZ](#)) - input: Address of a name string that contains the referenced procedure name.

Alternatively, if the selector portion of the pointer is null, the offset portion of the pointer is an explicit entry number (ordinal) within the dynamic link module.

DosGetProcAddress for entries within the DOSCALLS module are only supported for ordinal references. References to the DOSCALLS module by name strings are not supported and return an error. Dynamic link ordinal numbers for DOSCALLS routines are resolved by linking with DOSCALLS.LIB.

- ProcAddress ([PFN FAR \\*](#)) - output: Procedure address.

## Return Code

rc ([USHORT](#)) - return:Return code descriptions are:

- 0 NO\_ERROR
- 6 ERROR\_INVALID\_HANDLE
- 95 ERROR\_INTERRUPT
- 127 ERROR\_PROC\_NOT\_FOUND

## Remarks

A 32-bit address, consisting of a selector and offset, is returned for a specified procedure.

To free the dynamic link module, issue [DosFreeModule](#). After [DosFreeModule](#) is issued, procedure entry addresses returned for this handle or no longer valid.

Other run-time dynamic link calls are [DosLoadModule](#), [DosGetModName](#), and [DosGetModHandle](#).

## Bindings

### C

```
#define INCL_DOSMODULEMGR

USHORT rc = DosGetProcAddr(ModuleHandle, ProcName, ProcAddress);

HMODULE ModuleHandle; /* Module handle */
PSZ ProcName; /* Module name string */
PFN FAR *ProcAddress; /* Procedure address (returned) */

USHORT rc; /* return code */
```

### MASM

```
EXTRN DosGetProcAddr:FAR
INCL_DOSMODULEMGR EQU 1

PUSH WORD ModuleHandle ;Module handle
PUSH@ ASCIIZ ProcName ;Module name string
PUSH@ DWORD ProcAddress ;Procedure address (returned)
CALL DosGetProcAddr

Returns WORD
```

<http://www.edm2.com/index.php/DosGetProcAddr>

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 DosDevIOct1 DosDevIOct2
	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:  
<https://cocorico.osfree.org/doku/> - **osFree wiki**

Permanent link:  
<https://cocorico.osfree.org/doku/doku.php?id=en:docs:fapi:dosgetprocaddr>

Last update: **2021/09/19 05:40**

