 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

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DosGetProcAddr

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

Syntax

```
DosGetProcAddr (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.

DosGetProcAddr 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 After DosFreeModule is issued, procedure entry addresses returned for this handle or no longer valid.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 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

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