



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](#)

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DosDevConfig

This call gets information about attached devices.

Syntax

```
DosDevConfig (DeviceInfo, Item, Parm)
```

Parameters

- DeviceInfo ([PVOID](#)) - output: Address of the byte-wide field containing the requested information.
- Item ([USHORT](#)) - input: Device information requested.
 - 0 - Number of printers attached
 - 1 - Number of RS232 ports
 - 2 - Number of diskette drives
 - 3 - Presence of math coprocessor (where 0 = not present, 1 = present)
 - 4 - PC Submodel Type (where the return is the system submodel byte)
 - 5 - PC Model Type (where the return is the system model byte)
 - 6 - Display adapter type (where 0 = monochrome mode compatible, 1 = other).
- Parm ([USHORT](#)) - input: Reserved for future use and should be set to zero.

Return Code

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

- 0 NO_ERROR
- 87 ERROR_INVALID_PARAMETER

Remarks

The system model (function 5) and submodel (function 4) information is obtained from BIOS.

In addition, the number of devices attached in a PS/2 environment reflect only devices that are “awake”. Devices that are “asleep” are not counted.

Bindings

C

```
#define INCL_DOSDEVICES

USHORT rc = DosDevConfig(DeviceInfo, Item, Parm);

PVOID DeviceInfo; /* Returned information */
USHORT Item; /* Item number */
USHORT Parm; /* Reserved */

USHORT rc; /* return */
```

MASM

```
EXTRN DosDevConfig:FAR
INCL_DOSDEVICES EQU 1

PUSH@ OTHER DeviceInfo ;Requested information (returned)
PUSH WORD Item ;Item number
PUSH WORD Parm ;Reserved (must be zero)
CALL DosDevConfig
```

Returns WORD

Example Code

This example gets information about model type, monitor and coprocessor and display it.

```
#define INCL_DOSDEVICES

#define MACHINE_MODEL 5
#define DISPLAY_TYPE 6
#define FIND_COPROCESSOR 3
#define RESERVED 0L

BYTE DeviceInfo;
USHORT rc;

if(!DosDevConfig(&DeviceInfo, /* Returned information */
                 MACHINE_MODEL, /* Item number */
                 RESERVED)) /* Reserved */
```

```

printf("Model Type %d ",DeviceInfo);

if(!DosDevConfig(&DeviceInfo,           /* Returned information */
                 DISPLAY_TYPE,         /* Item number */
                 RESERVED))           /* Reserved */
    if (DeviceInfo)
        printf("Colour display ");
    else
        printf("Mono display ");

if(!DosDevConfig(&DeviceInfo,           /* Returned information */
                 FIND_COPROCESSOR,    /* Item number */
                 RESERVED))           /* Reserved */
    if (DeviceInfo)
        printf("Coprocessor");
    else
        printf("No Coprocessor");
    
```

Note

Text based on [http://www.edm2.com/index.php/DosDevConfig_\(Legacy\)](http://www.edm2.com/index.php/DosDevConfig_(Legacy))

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

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