

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
<PRE> #define INCL_DOSDEVICES
USHORT rc = DosDevConfig(DeviceInfo, Item, Parm);
PVOID DeviceInfo; /* Returned information */ USHORT Item; /* Item number */ USHORT Parm; /*
Reserved */
USHORT rc; /* return */ </PRE>
```

MASM

```
<PRE> 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 </PRE>

Example Code

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

```
#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");
```

</PRE>

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 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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