 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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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)

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

Family API	
Libraries	API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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