



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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## DosPortAccess

This call requests or releases access to ports for I/O privilege.

### Syntax

```
DosPortAccess (Reserved, TypeOfAccess, FirstPort, LastPort)
```

### Parameters

- Reserved (USHORT) - input : Must be set to zero.
- TypeOfAccess (USHORT) - input : A request for or release of access to a port.
  - 0 - Request access
  - 1 - Release access.
- FirstPort (USHORT) - input : Starting (low) number in a contiguous range or a single port.
- LastPort (USHORT) - input : Ending (high) number in a contiguous range or a single port. If only one port is being used, FirstPort and LastPort should both be set to this port.

### Return Code

rc (USHORT) - return:Return code descriptions are:

- 0 NO\_ERROR
- 5 ERROR\_ACCESS\_DENIED

### Remarks

Note that CLI/STI privilege is also granted automatically. There is no need to make an additional call to [DosCLIAccess](#).

Applications that perform I/O to port(s) in IOPL segments must request port access from the operating system.

An application with no IOPL segments that accesses a device through a device driver or by an interface package such as VIO, does not need to issue this call. The device driver or interface package is responsible for obtaining the necessary I/O access.

## Bindings

### C

```
#define INCL_DOSDEVICES

USHORT rc = DosPortAccess(Reserved, TypeOfAccess, FirstPort, LastPort);

USHORT 0;           /* 0 */
USHORT TypeOfAccess; /* Request or release */
USHORT FirstPort;   /* First port number */
USHORT LastPort;    /* Last port number */

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

### MASM

```
<cdoe asm> EXTRN DosPortAccess:FAR INCL_DOSDEVICES EQU 1
```

```
PUSH WORD 0 ;Reserved (must be zero) PUSH WORD TypeOfAccess ;Request or release PUSH WORD
FirstPort ;First port number PUSH WORD LastPort ;Last port number CALL DosPortAccess
```

Returns WORD </code>

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead DosQ FileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks DosSet FHandState DosNewSize DosBufReset DosQFHandState DosSet FSInfo
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAlloc Huge DosAlloc Seg DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreate CS Alias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGet Message 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

Family API	
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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