



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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## DosMemAvail

This call returns the size of the largest block of free memory.

### Syntax

```
DosMemAvail (MemAvailSize)
```

### Parameters

- MemAvailSize ([PULONG](#)) - output: Address of the size of the largest free block of memory in bytes.

### Return Code

- rc ([USHORT](#)) - return: Return code:
- 0 NO\_ERROR

### Remarks

DosMemAvail allows an application to determine how heavily used system memory is at a particular time. The returned value is a “snapshot” that may be valid only at the moment this function is issued and can be expected to change at any time due to system activity.

This call can be used as an indicator for memory availability before a call to [DosAllocHuge](#) is made.

### Bindings

C

```
#define INCL_DOSMEMMGR
USHORT rc = DosMemAvail(MemAvailSize);
PULONG MemAvailSize; /* Size available (returned) */
USHORT rc; /* return code */
```

## MASM

```
EXTRN DosMemAvail:FAR
INCL_DOSMEMMGR EQU 1

PUSH@ DWORD MemAvailSize ;Size available (returned)
CALL DosMemAvail

Returns WORD
```

## Note

Text based on <http://www.edm2.com/index.php/DosMemAvail>

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 DosGet Ctry Info DosGet DBCSEv DosSet Ctry Code DosGet Collate DosGet Message DosIns Message DosPut Message
	Date and Time	DosSet Date Time DosGet Date Time
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHold Signal DosSet Sig Handler
	Misc	BadDynLink DosGet Env DosGet Machine Mode DosGet Version DosError DosErr Class DosSet Vec
KBD		KbdCharIn KbdFlushBuffer KbdGet Status KbdSet Status KbdStringIn KbdPeek
VIO		VioGet Buf VioGet Config VioGet Cur Pos VioGet Cur Type VioGet Phys Buf VioRead Cell Str VioRead Char Str Vio Scroll Up Vio Scroll Dn Vio Scroll If Vio Scroll Rt Vio Scr Un Lock Vio Set Cur Pos Vio Set Cur Type Vio Set Mode Vio Get Mode Vio Show Buf Vio Wrt Cell Str Vio Wrt Char Str Vio Wrt Char Str Att Vio Wrt N Attr Vio Wrt N Cell Vio Wrt N Char Vio Wrt TTY Vio Scr Lock Vio Pop Up
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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