



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 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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