

Note: This API calls are shared between DOS and Win16 personality.

DPMI is a shared interface for DOS applications to access Intel 80286+ CPUs services. DOS DMPI host provides core services for protected mode applications. Multitasking OS with DOS support also provides DMPI in most cases. Windows standard and extended mode kernel is a DPMI client app. Standard and extended mode kernel differs minimally and shares common codebase. Standard Windows kernel works under DOSX extender. DOSX is a specialized version of 16-bit DPMI Extender (but it is standard DPMI host). Standard mode is just DPMI client, exnhanced mode is DPMI client running under Virtual Machime Manager (really, multitasker which allow to run many DOS sessions). Both modes shares DPMI interface for kernel communication. The OS/2 virtual DOS Protected Mode Interface (VDPMI) device driver provides Version 0.9 DPMI support for virtual DOS machines. Win16 (up to Windows ME) provides Version 0.9 DPMI support. Windows in Standard Mode provides DPMI services only for Windows Applications, not DOS sessions.

DPMI host often merged with DPMI extender. Usually DPMI extender provide DPMI host standard services and DOS translation or True DPMI services.

2021/08/05 10:15 · prokushev · 0 Comments

Int 31H, AH=05H, AL=0AH

Version

1.0

Brief

Get Memory Block Size and Base

Input

```
AX = 050AH
SI:DI = memory block handle
```

Return

```
if function successful
Carry flag = clear
SI:DI = size of memory block (bytes)
BX:CX = base address of memory block
```

```
if function unsuccessful
Carry flag = set
AX = error code
8023H   invalid handle
```

Notes

Returns the size of a memory block that was previously allocated with Int 31H Function 0501H or 0504H.

See also

Note

Text based on http://www.delorie.com/djgpp/doc/dpmi/

DPMI	
Process manager	**INT 2FH** 1680H, 1687H
Signals	
Memory manager	
Misc	**INT 2FH** 1686H, 168AH
Devices	

2021/08/13 14:23 · prokushev · 0 Comments

From:
https://osfree.ru/doku/ - **osFree wiki**

Permanent link:
https://osfree.ru/doku/doku.php?id=en:docs:dpmi:api:int31:05:0a

Last update: **2021/08/27 05:05**