



**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 DPMI 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, enhanced mode is DPMI client running under Virtual Machine 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=09H, AL=02H

### Version

0.9

### Brief

Get Virtual Interrupt State

### Input

```
AX = 0902H
```

### Return

```
Carry flag = clear (this function always succeeds)
AL = 0 if virtual interrupts are disabled
AL = 1 if virtual interrupts are enabled
```

## Notes

This function should be used in preference to the PUSHF instruction to examine the interrupt flag, because the PUSHF instruction returns the physical interrupt flag rather than the virtualized (per-client) interrupt flag. On some DPMI hosts, the physical interrupt flag will always be enabled, even when hardware interrupts are not being passed through to the client.

## See also

## Note

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

<b>DPMI</b>	
Process manager	<b>INT 2FH 1680H, 1687H</b>
Signals	
Memory manager	
Misc	<b>INT 2FH 1686H, 168AH</b>
Devices	

2021/08/13 14:23 · prokushev · [0 Comments](#)

From:

<https://www.osfree.org/doku/> - **osFree wiki**

Permanent link:

<https://www.osfree.org/doku/doku.php?id=en:docs:dpmi:api:int31:09:02>

Last update: **2021/08/27 06:21**

