

## Re: Any alternative to the MmAllocateContiguousMemory?

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- *From:* Mark Roddy <[markr@xxxxxxxxxxxxxxxx](mailto:markr@xxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 20 Aug 2005 07:31:52 -0400
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Elliott wrote:

Hi All,

As I found the MmAllocateContiguousMemory function is not available in WDM architecture, does any alternative to it and provide contiguous memory allocation from non-paged pool? So that we can directly access the allocated memory from both user mode application and physical hardware device under WDM.

Thanks in advance,

Best Regards,  
Elliott  
WDM beginner

Are you building for a non NT (98) platform? That is really the only reason to use wdm.h rather than ntddk.h.

Mapping device memory into user space is discouraged. However if you are going to do this anyway, do not use MmAllocateContiguousMemory - it will not work on all platforms. Instead use AllocateCommonBuffer to allocate the contiguous memory and then either use MmMapLockedPagesSpecifyCache or ZwMapViewOfSection to get the thing into user mode. Better yet have your application send IO requests to your driver and have the drive perform the IO for your application.

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