

# Re: DOT11\_OPERATION\_MODE\_NETWORK\_MONITOR in NDIS 6.0 on Vista

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*Source:*

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2007-07/msg00434.html>

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- *From:* [toddlange1@xxxxxxxxxx](mailto:toddlange1@xxxxxxxxxx)
  - *Date:* Fri, 20 Jul 2007 06:33:37 -0700
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GV,

The card I'm using is a Linksys WMP55AG v1.2. I believe it is using the Atheros Chipset AR5001X+.

Todd

On Jul 19, 10:22 am, "Gianluca Varenni"  
<[gianluca.vare...@xxxxxxxxxxxxxxxxxxxx](mailto:gianluca.vare...@xxxxxxxxxxxxxxxxxxxx)> wrote:

Which specific Atheros driver (I mean, supported chipset) are we talking about?

Have a nice day  
GV

<[toddlan...@xxxxxxxxxx](mailto:toddlan...@xxxxxxxxxx)> wrote in message

[news:1184852791.087527.213940@xx](mailto:news:1184852791.087527.213940@xx)

On Jul 18, 3:14 pm, "Gianluca Varenni"  
<[gianluca.vare...@xxxxxxxxxxxxxxxxxxxx](mailto:gianluca.vare...@xxxxxxxxxxxxxxxxxxxx)> wrote:

Are you sure the calls actually get forwarded all the way down to the atheros driver? I know at least some of the Atheros NDIS6.0 drivers do not actually deliver the "uncooked" 802.11 frames.

Have a nice day  
GV

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Gianluca Varenni, Windows DDK MVP

CACE Technologies <http://www.cacotech.com>

<toddlan...@xxxxxxxx> wrote in message

[news:1184785230.672299.286600@xx](mailto:news:1184785230.672299.286600@xx)

Hello Smart People,

In NDIS 6.0, Microsoft added an operational mode called DOT11\_OPERATION\_MODE\_NETWORK\_MONITOR. It is designed to turn a 802.11 wireless adapter into a promiscuous capture card. In this mode you can set filters to see all raw data and management packets, set channel, set frequency, gather statistics, etc.

I interested in using these new features for the purpose of packet analysis in a protocol analyzer. Can these new features be used on Vista from within an NDIS protocol driver? It appears they may be blocked by Windows when I have tried to set them from within a protocol driver. I'm using a current Atheros NDIS 6.0 driver on Vista and the calls never make it down to the miniport driver.

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Is this by design to prevent 3rd party application developers from using these new features, or I'm I missing something?

Thanks,

Todd Lange

The call to set the operational mode NEVER makes it to the Atheros driver. The call to read the mode does work and will return the operational mode. Is Windows blocking the call down to the driver? The Atheros driver has code to process the OID, but it never sees it.

-Todd