

Problem with RTL8139 on Geode with CE.NET 5.0

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2005-12/msg00686.html>

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 - *Date:* Wed, 21 Dec 2005 17:51:52 +0100
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Hi,

I've a very freaky problem with the RTL8139 driver on Geode:

I connect my RTL8139 over cross cable to an XP machine. On XP, the network adapter has 2 IP Address in different networks.

I start a flood ping from XP to the RTL8139 (5000 bytes), the RTL8139 is responding well! During the flood ping, I make a small ping from the second IP address (RTL8139 doesn't know the network ID). After the small ping (not answered) and ~12 fping (answered!) the RTL8139 is dead! A thread with prio ~115 doesn't give any CPU time anymore! (should be the ISR in NDIS...). The CheckForHang function is still running, but doesn't care about the hanging state of the network....

I can reproduce this problem with a RTL8139 PCI Card on the Geode to! I can not reproduce it on the CEPC with the same PCI card...

It seems like it's a synchronization problem in the RTL8139 driver, which appear on the Geode platform...

Does anybody have a similar problem with the RTL8139 driver? Any workaround? I'm looking for the source code of the driver...

Thank you for reply!!

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