

A. Affected Revision

Errata details published in this document refer to the following netANALYZER Software:


netANALYZER V1.1.0.0, Rev. 1

B. Document Revision History

Revision	Date	Description	Author
1.0	Aug. 2008	Created, added Errata 1 - 2	G. Göhrmann

C. Errata Summary

Nr.	Description
1	DUO Core: netANALYZER V1.1.0.0 do not work in multi-core operation
2	IRQ: netANALYZER Software V1.1.0.0 do not work with USB-controller on same IRQ

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D. Errata Details:

1 DUO Core: Software netANALYZER V1.1.0.0 do not work in multi-core operation

Issue:

The netANALYZER driver can not work correctly, if the multi-core operation mode is used. It is the command processing of the driver by the multi-core operations disrupted. The publication depicts the fact that the netANALYZER capture process works, however the conversion process fails and the error message "file was not written from driver!" is shown.

Solution / Workaround:

Disable the multi-core operation within the BIOS of the computer and use the computer in single core operation mode.

2 IRQ: netANALYZER Software V1.1.0.0 do not work with USB-controller on same IRQ

Issue:

On some computers can the software netANALYZER not be executed, because the USB controller drivers use the same IRQ as the PCI card NXANL50-RE.


The USB controller calls several interrupts, without any connected USB-devices. These are managed in the interrupt service routine. The netANALYZER driver noted is not adopted, because it is another device. The operating system Windows XP prohibits after a certain number of interrupts the requirements by the USB controller. This will also prohibited interrupt the netANALYZER software. The netANALYZER application shows error messages like "Driver has not confirmed the DMA flags" 0xC066000D.

The problem by the interrupt mode lies with the PCI controller of the main boards. This uses a synchronous interrupt. The PCI specification provides an asynchronous interrupt (INTx#) to clock-signal (CLK). The netX supports only the asynchronous interrupts.

Solution / Workaround:


Disable the USB-controller driver with the same IRQ-usage like the netANALYZER-driver. Check the properties in Windows XP device manager.

E.g. USB Universal Host Controller Intel ® 8280 1G1CH7 Family

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E. List of known problematic PC-systems:

Manufacturer	Model	Hardware components		Error description	Software-Version	Solution / Workaround
		Processor	RAM			
Fujitsu Siemens	CelsiusW	DUO Core Intel® Core™ 2 CPU 6320@1,86 GHz	2GB	„File was not written from driver! “	V1.1.0.0	Disable multi-core operating
ACPI	Industrial PC	DUO Core Intel® Core™ 2 CPU 6400 @ 2,13 GHz	-	“Driver has not confirmed the DMA flags” 0xC066000D and „File was not written from driver! “	V1.1.0.0	Disable USB Universal Host Controller Intel® 8280 1G1CH7 Family
HP Compaq	-	DUO Core Intel® Core™ 2 CPU @ 3,1 GHZ	2GB	the conversion process do not work, e.g. the file can not saved, 0 Byte .hea-file	V1.1.0.0	Disable USB Universal Host Controller Intel® 8280 1GB
				„File was not written from driver! “	V1.1.0.0	Disable multi-core operating
DELL	Optiplex GX 620	Intel® Pentium® D CPU 2,80 GHz	1GB	„File was not written from driver! “	V1.0.0.0	Update V1.1.0.0
				-	V1.1.0.0	Disable USB Universal Host Controller
DELL	390	DUO Core Intel® Core™ 2 CPU 6400 @ 2,13 GHz	-	„File was not written from driver! “	V1.0.0.0	Update V1.1.0.0
DELL	-	Intel® Pentium® D CPU 2,80 GHz	512KB	DMA channel not confirmed! „Hard disk to slow. End of capture file may be corrupted. “	V1.0.0.0	Update V1.1.0.0
TERRA PC Wortmann AG	1000787	DUO Core Intel® Core™ 2 CPU 6400 @ 2,13 GHz	1GB	„File was not written from driver! “	V1.1.0.0	Disable multi-core operating

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