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LCR Meter or Impedance Analyzer?

Used N9918B FieldFox. Low price and in stock. SEE OFFERS KEYSIGHT

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Author

Topic: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original

0 Members and 1 Guest are viewing this topic.

max-bit

Frequent Contributor



Posts: 591

Country:

NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original

< on: August 29, 2021, 06:11:33 am >

As in the topic, the problem of a large number of adapters : **NI GPIB-USB-HS**

From software version 17.6 (NI 488.2) all Chinese adapters (mainly bought on ebay) **are detected as not genuine.**

So far the solution is to use software version 17.0 (which is also not available on the NI website).

But is this the only solution?

According to me, there should be at least 2 more:

- 1 - finding a module (entry) in the software which, after detecting an incorrect number, throws this error.
- 2 - (or even better) find the entry in the adapter's flash memory where the serial number is and change it

Has anyone tried to deal with the topic?

So far, I have not been able to find such an entry neither in the software nor in the memory of the adapter, most likely this value is encrypted in some way.

Although we may be able to achieve something together.

« Last Edit: September 02, 2021, 11:22:29 am by max-bit »

Logged

georgd

Regular Contributor



Posts: 56

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK?

« Reply #1 on: August 29, 2021, 08:13:16 am »

At first glance, I suspect to serial number stored in separated I2C EEPROM. NI in the recent version of his software put to the backlist the device whom EEPROM contents has been cloned. The solution is to reprogram the serial number in the mentioned memory. If you have access to at least one genuine NI adapter, compare its content with the genuine one. Reading out EEPROM without desoldering is elaborated on car radio forums.

Georg

Logged

tv84

Super Contributor



Posts: 2602

Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK?

« Reply #2 on: August 29, 2021, 08:20:42 am »

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max-bit

Frequent Contributor



Posts: 591

Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK?

« Reply #3 on: August 29, 2021, 01:41:14 pm »

I understand that it is enough to upload this file
And it is gonna be fine ? checked ?

https://xdevs.com/doc/National/GPIB-USB-HS/fw/good_eeeprom_24lc256.BIN

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max-bit

Frequent Contributor



Posts: 591

Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK?

« Reply #4 on: August 30, 2021, 04:44:17 am »

Hello, is anyone there? Someone will confirm?

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max-bit

Frequent Contributor



Posts: 591

Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK?

« Reply #5 on: August 31, 2021, 05:50:57 pm »

above firmware is ... no original SN 014F3A71

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max-bit

Frequent Contributor



Re: NI GPIB-USB-HS - Issues - no original - fake - HACK?

« Reply #6 on: September 02, 2021, 09:23:10 am »

f..ck ... programmed eeprom 24lc256 (from original unit) serial no. changed in NI MAX but software



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still sees it as not genuine? WTF?

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Scratch.HTF

Regular Contributor



Posts: 97
Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original

« **Reply #7 on:** September 04, 2021, 10:08:48 am »

On a related topic, is Agilent (Keysight) doing something similar regarding fake (and even cloned) 82357 USB-GPIB interfaces?

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If it runs on Linux, there is some hackability in it.

max-bit

Frequent Contributor



Posts: 591
Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original

« **Reply #8 on:** September 04, 2021, 06:00:21 pm »

and are there such fake?

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gslick

Frequent Contributor



Posts: 455
Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original

« **Reply #9 on:** September 04, 2021, 11:14:44 pm »

Quote from: max-bit on September 04, 2021, 06:00:21 pm

and are there such fake?

Are there fake Agilent / Keysight 82357B GPIB-USB adaptors? Of course there are:

<https://www.eevblog.com/forum/testgear/flood-of-new-agilent-82357b-gpib-usb-adaptors-on-ebay-the-real-deal/>

Logged

E Kafeman

Regular Contributor



Posts: 98
Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original

« **Reply #10 on:** September 05, 2021, 01:35:58 am »

Fake Agilent GPIB-USB? No they are all original and new. Now for sale due to that they bought too many in Hongkong at \$600 each, now selling them with \$500 loss. https://www.ebay.com/sch/i.html?_from=R40&_nkw=82357B&_sacat=0&_sop=15&rt=nc&LH_ItemCondition=3

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No signature

bdunham7

Super Contributor



Posts: 5142
Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original

« **Reply #11 on:** September 05, 2021, 02:08:46 am »

Quote from: max-bit on August 29, 2021, 06:11:33 am

From software version 17.6 (NI 488.2) all Chinese adaptors (mainly bought on ebay) **are detected as not genuine.** So far the solution is to use software version 17.0 (which is also not available on the NI website).

What error do you get when this happens?

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A-3.5 digit 4.5 digit 5 digit 5.5 digit 6.5 digit 7.5 digit DMM is good enough for most people.

max-bit
Frequent Contributor
👍👍



Posts: 591
Country: 🇺🇸

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original
« Reply #12 on: September 05, 2021, 06:16:25 am »

Quote from: TiN on September 05, 2021, 01:13:41 am

Quote

So far the solution is to use software version 17.0 (which is also not available on the NI website).

Proper solution is not to use bloated NI software in first place. 😊

What do you suggest instead of NI-Max?

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max-bit
Frequent Contributor
👍👍



Posts: 591
Country: 🇺🇸

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original
« Reply #13 on: September 05, 2021, 06:19:35 am »

And what does GPIB Agilent Keysight "fake" look like? (PCB Chip) original & fake ? **PICTURE PLEASE**

NI insade are the same.

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max-bit
Frequent Contributor
👍👍



Posts: 591
Country: 🇺🇸

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original
« Reply #14 on: September 05, 2021, 08:59:31 am »

Fake : ?



and
BIG Fake :

https://sigrok.org/wiki/GPIB-USB_82357B_clone



and...

Agilent 82357B GPIB Genuine or not



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Kosmic
Super Contributor
Posts: 2249
Country:

Re: NI GPIB-USB-HS - Issues - no original - fake - HACK? - firmw replac from original
« Reply #15 on: September 05, 2021, 11:07:14 pm »

Quote from: max-bit on September 05, 2021, 06:19:35 am

And what does GPIB Agilent Keysight "fake" look like? (PCB Chip) original & fake ? **PICTURE PLEASE**

NI insade are the same.

I posted some pictures over here: [https://www.eevblog.com/forum/testgear/test-equipment-anonymous-\(tea\)-group-therapy-thread/msg3232212/#msg3232212](https://www.eevblog.com/forum/testgear/test-equipment-anonymous-(tea)-group-therapy-thread/msg3232212/#msg3232212)

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