

Product:	Automotive Voltage Tracker ABLIC S-19720 Series	
Description:	<ul style="list-style-type: none"> • Voltage tracker that solves issues affecting ECUs with off-board sensors. • Low offset voltage contributes to higher-accuracy sensing. • Reduces overall footprint. Lowers ECU standby current. 	Download Datasheet

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November 15, 2021, 03:53:54 pm

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Yesterday at 05:19:24 pm	Re: HP/Agilent ESA SA enabling options	tv84	<input type="checkbox"/>
Yesterday at 05:28:40 pm	Re: HP/Agilent ESA SA enabling options	tv84	<input type="checkbox"/>
Yesterday at 06:04:25 pm	Re: HP/Agilent ESA SA enabling options	tv84	<input type="checkbox"/>
Today at 04:14:41 am	Re: ESA Option license	smgvbest	<input type="checkbox"/>
Today at 08:57:33 am	Re: ESA SA options	PA0PBZ	<input type="checkbox"/>

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Author

tv84
Super Contributor



Posts: 2441



Messages

Re: HP/Agilent ESA SA enabling options

« Sent to: volvo_nut_v70 on: **Yesterday** at 05:19:24 pm »
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Quote from: volvo_nut_v70 on **Yesterday** at 04:38:36 pm

Hello;

Thank you for your reply. As I mentioned, this is new territory. My area is usually long tail (8 1/2 digit) calibrators and DMMs.

When you say files running in my machine what are you referencing to?

The copy of Imcryptgui that I just scrounged has reproduced the license key, using TMOD01 as the vendor, ED0F0E0B and 69837101 as the seeds. So what is the patching that may have been done?

How does the vendor name and behaviour version influence the key produced? I've found two other examples on EEVBlog the 16XXX logic analyzer and the ESG-D generator. Seeds and vendor name differ from the ESA

Would you be willing to share any other examples / equipment info to generate keys?

As for sharing the copy of Imcryptgui I can do that however email won't work since it is flagged as a virus. It would have to be FTP or some other file transfer (We Transfer etc)

Thanks!

As for sharing

I have all that stuff. The seeds to generate those keygens are on the forum.

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 **tv84**

Super Contributor



Posts: 2441



Re: HP/Agilent ESA SA enabling options

« Sent to: volvo_nut_v70 on: Yesterday at 05:28:40 pm »
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Quote from: volvo_nut_v70 on Yesterday at 05:26:20 pm

Paul tried to reproduce the 1D5 key as a verification, he never told me what the 1D5 key was that he got. Email below:

Hi Ken,

For some reason I'm not able to reproduce the 1D5 key, could you please check the HOSTID and the key again? I've generated lots of keys for different products (all obsolete so no moral problems) and they never failed.

Paul

The target was the 1DR Narrow RBW key. He never said what he was using for the vendor, seeds or behaviour, hence my questions as to what the vendor and behaviour play in generating the key. His 1DR key did not activate the license

He was mixing things because he started by recreating "**IDR**", not "1DR" !!! After that, all mixes were made.

The vendor is a must. The behavior not so much.

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 **tv84**

Super Contributor



Posts: 2441



Re: HP/Agilent ESA SA enabling options

« Sent to: volvo_nut_v70 on: Yesterday at 06:04:25 pm »

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Quote from: volvo_nut_v70 on Yesterday at 05:53:59 pm

Paul's email about the seeds is:

Alright. so it's an ESA after all. Yes I'm using Imcryptgui, slightly patched for some HPAK weirdness. I know the seeds are correct because HPAK uses them over and over again and I generated keys for other ESA's that work fine. Do you have access to the file system?

What I found confusing, was that Paul couldn't duplicate the existing 1D5 key. Thus my questions.....

Other than the 16XXX logic analyzers and ESG-D generators, what are the other HPAK equipment that uses this licensing?

Thanks!

Ken

many old hp/agilent devices.

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smgvbest

Supporter



Posts: 623



Re: ESA Option license

« Sent to: volvo_nut_v70 on: Today at 04:14:41 am »

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Hi

Everything good here, just busy with work. trying to herd the cats if you know the saying.

I tried generating the key using the host ID provided and get these which match yours

```
FEATURE 1D5 TMOMID01 1.0 permanent uncoun ted D86C61035EF7 \  
HOSTID=1301531d  
FEATURE 1DR TMOMID01 1.0 permanent uncoun ted FB2A3EE02016 \  
HOSTID=1301531d
```

I would guess his lmcryptTMOMID01.exe file thats created from the lmcrypt.exe after entering the needed seeds isnt correct

I wouldnt know if it was patched, I've not heard of anyone bringing that up until now.

mine license.dat input file looks like this

Code: [Select]

```
FEATURE AYZ TMOMID01 1.0 permanent uncounted B6278C1B0080 \
  HOSTID=29611027
FEATURE 1D6 TMOMID01 1.0 permanent uncounted B6278C1B0080 \
  HOSTID=29611027
FEATURE 1D5 TMOMID01 1.0 permanent uncounted D86C61035EF7 \
  HOSTID=1301531d
FEATURE 1DR TMOMID01 1.0 permanent uncounted FB2A3EE02016 \
  HOSTID=1301531d
```

the command I use to generate the keys file is

```
lmcryptTMOMID01.exe -i license.dat -verfmt 6 -o mykeys.txt
```

the verfmt is really optional but version 6 is the correct one

The license.dat is really identical to the output file but the key is ignored and replaced in the output file.

The only unit I've played with is my own E4407B

you probably have this but here's all the options I know of you can enable though some require hardware.

Code: [Select]

```
OPTION 060 37457FEA0E2F \ 060,Low emissions,License
OPTION 106 97078C031C28 \ 106,Bluetooth demodulation,Hardware
OPTION 120 81DD6CFF122C \ 120,Dynamic range extension,Hardware
OPTION 1AX 085C6FFAEF87 \ 1AX,RS-232+parallel interface,Hardware
OPTION 1CP 02F6952CC13D \ 1CP,Rackmount Kit,Hardware
OPTION 1D5 9369AF3E3E61 \ 1D5,High stability frequency reference,License
OPTION 1D6 926FB03F485C \ 1D6,Time gating,License
OPTION 1D7 916DB140425F \ 1D7,50 to 750 minimum loss pad,Hardware
OPTION 1DN EADF58E7D894 \ 1DN,3.0 GHz tracking generator,Hardware
OPTION 1DR B6278C1B0080 \ 1DR,Narrow resolution bandwidths,License
OPTION 1DS B5258D1CFA83 \ 1DS,Internal 3.0 GHz RF preamp,License
OPTION 219 8AE25DC8F937 \ 219,Noise Figure,License
OPTION 225 1FA06E011488 \ 225,Cable fault location,License
OPTION 226 1EA66F021E83 \ 226,Phase noise,License
OPTION 227 1DA470031886 \ 227,Cable TV,License
```

Quote from: volvo_nut_v70 on Yesterday at 05:18:02 pm

Hi Sandra;

I haven't heard back from you, I hope all is okay.

Interestingly, it seems that the keygen that Paul has produces the wrong keys for 1D5 and 1DR. The unit is a E4402B, the keys that I get are:

```
FEATURE 1D5 TMOMID01 1.0 permanent uncounted D86C61035EF7 \ HOSTID=1301531d
```

This matches what is in existing in the E4402B

```
FEATURE 1DR TMOMID01 1.0 permanent uncounted FB2A3EE02016 \ HOSTID=1301531d
```

Paul's key for 1DR: 8C0C36C11E69 which is incorrect. The key FB2A3EE02016 does activate the license.

It has been suggested that the keygen may have been patched (I am guessing some sort of HP variation).

I can try sending you the keygen via WeTransfer (unless you have an FTP setup) I'd need your email address.

If you have a chance, if you could send me any examples you have of other HP cases that would be great.

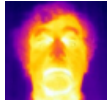
BR,
Ken

Report To Admin

Sandra
(Yes, I am a Woman :p)

PAOPBZ

Super Contributor



Posts: 4623



Re: ESA SA options

« **Sent to:** volvo_nut_v70 **on:** Today at 08:57:33 am »
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Hi Ken,

I found the problem but I also understand that you already solved it yourself, correct?

Paul

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