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HACKADAY



SGX DEPRECATION PREVENTS PC PLAYBACK OF 4K BLU-RAY DISCS

by: **Chris Lott**

4 Comments



January 18, 2022



This week Techspot reported that DRM-laden Ultra HD Blu-ray Discs **won't play anymore on computers using the latest Intel Core processors**. You may have skimmed right past it, but the table on **page 51 of the latest 12th Generation Intel Core Processor data sheet (184 page PDF)** informs us that the Intel Software Guard Extensions (SGX) have been deprecated. These extensions are required for DRM

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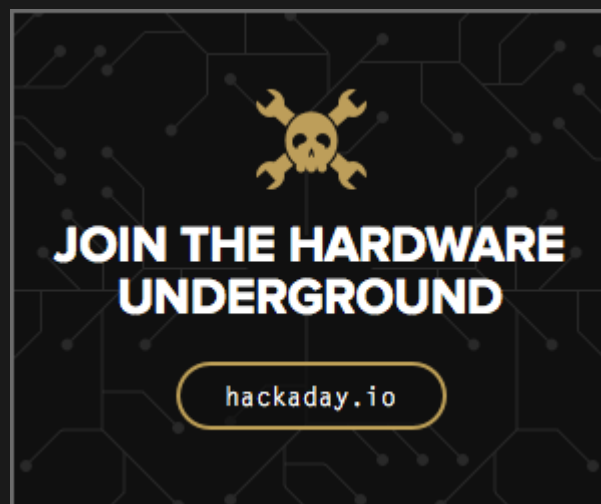
Ultra HD Blu-ray, aka 4K Blu-ray. But there have been numerous vulnerabilities discovered in the intervening years. Not only Intel, but AMD has [had similar issues as we wrote about in October](#).

This problem only applies to 4K Blu-ray discs with DRM. Presumably any 4K discs without DRM will still play, and of course you can still play the DRM discs on older Intel processors. Do you have a collection of DRM 4K Blu-ray discs, and if so, do you play them via your computer or a stand-alone player?

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4 THOUGHTS ON “SGX DEPRECATION PREVENTS PC PLAYBACK OF 4K BLU-RAY DISCS”

Haven't thought of purchasing or using a Blu-ray disc in years. I have the luxury of speedy internet living in a metro area, but I imagine people in remote-ish locations with new devices might get the shaft.

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dave says:

January 18, 2022 at 8:37 am

If it wasn't for so called pirating of things, people wouldn't be able to maintain our collective digital history.

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Reality Bites says:

January 18, 2022 at 8:38 am

Any purchase of a DRM product is sure to provide a product lacking in functionality... its broken by design.

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Andrew Dodd says:

January 18, 2022 at 8:45 am

Yet again, DRM punishes users who try to be legit and doesn't impact pirates (or those of us who do the "personal backups only" thing) at all.

This change does not negatively impact MakeMKV.

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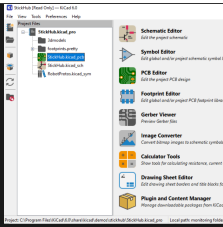
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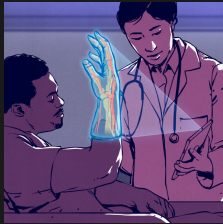
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FOUR WHEEL STEERING, ALWAYS THE OPTION, NEVER THE DEFINING FEATURE

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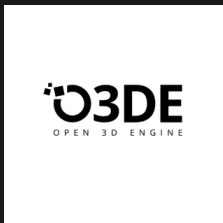
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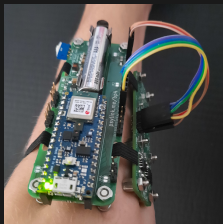
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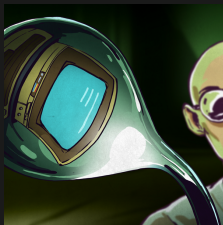
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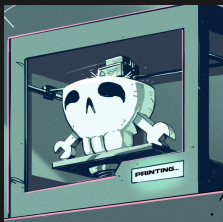
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