

Statement of Memory Volatility

Wibu-Systems WibuBox/RU+, product 3032-06

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Introduction

U.S. Homeland Security requires electronic instrumentation manufactures to supply information on memory access and volatility for the instruments they sell. The information is used when moving electronic instrumentation to and from sensitive test areas.

General Description

The WibuBox/RU+ is the WibuKey protection hardware for connection to the USB interface of PCs, Apple Macintosh and others.

The WibuBox/RU+ is shipped from Wibu-Systems to Independent Software Vendors (ISV), which program software licensing information into a non-volatile license memory of 12 bytes, which can be changed later only by the ISV.

Memory Description

The internal controller has 16 kibibyte non-volatile memory. It is 100% controlled through the USB command interface of the WibuBox/RU+. Outside of the WibuKey runtime kit, there is no API function, general command line or GUI application to read or write this memory.

The 16 kibibyte memory is structured into 512 blocks of 32 bytes each. 256 blocks (or 8 kibibyte) are addressable for reading and writing without any protection by a password or access key. The other 256 blocks are protected with an access key of 8 bytes. This key is controlled by the stored software licensing information of the ISV (Independent Software Vendor) and is usually not known for the owner or user of the WibuBox/RU+.