

WibuBox/U+

Description

The WibuBox/U(+) is the WibuKey protection hardware for connection to the USB interface of PCs, Apple Macintosh and others. Encryption works with WibuKey algorithm 1, 2 or 4 depending on up to 10 nonvolatile stored Standard Entries or Master Entries. The first 5 entries may have an additional entry – data, expiration date or limit counter – which then occupies one entry. The WibuBox/U+ has an additional 16 kbyte memory.

The communication is according to USB specifications. All data communication is realized by endpoint 0 control transfers with full speed (12 MBit). The USB interface guarantees trouble free communication even if many different devices are connected and easy implementation to any system. WibuKey driver software supports Windows 98/ME/2000/XP/Server2003, MacOS 8 and higher and all Linux distributions supporting USB. The WibuBox/U+ needs WibuKey Runtime 4.10 or higher.

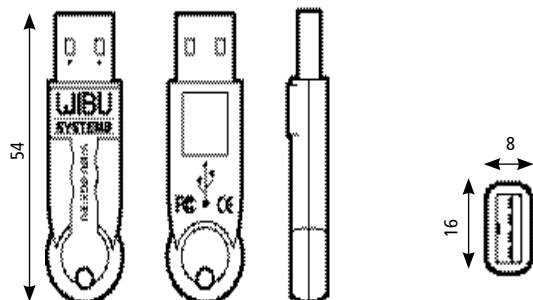
Technical Specifications

- **Interface:** USB 1.1, USB V2.0 compliant and certified
- **Power supply:** 5 V max.
- **Power Consumption:** ASIC 3505: 40 mA max. (typical 10 mA / 300 µA configured / unconfigured), ASIC 3520: 40 mA max. (typical 6 mA / 300 µA configured / suspended)
- **Temperature:** 0...55 degree C, non-condensing
- **Case/Dimensions:** 54 mm x 16 mm x 8 mm
- **Weight:** 6 g

Ordering Information

P/N 3031-06-510:

WibuBox/U+ with solid turquoise blue case.
Other case variants on request.



Certificates

The WibuBox/U(+) is tested and qualified with the following standards:

■ CE-Conformity | European Certificates

Radiated emissions according to EN 55022/1999 (DIN VDE 0877 Part2:1985), FCC 47CFR15 Subpart B.

Frequency range: 150kHz ... 1 GHz.

Immunity according to EN 55024:1998 against:

Radiated radio frequency (RF) and electromagnetic field according to IEC 61000-4-3 + A1.

Electrostatic discharge (ESD) according to IEC 61000-4-2.

Contact discharge 4 kV load voltage, air discharge 8 kV load voltage.

Conducted electromagnetic RF unsymmetrical according to IEC 61000-4-6.

Fast transient puls (burst) coupling clamp according to IEC 61000-4-4; 0,5 kV peak, 5 kHz, 5/50 ns tr/th.

■ International Certificates

FCC Part 15, Subpart B

VCCI 2001-08 (Japan)

■ Other Certificates

VDE / TÜV / GS

UL C-UL-US listed I.T.E. Accessory 10WB,

E-File 211202. The encryption device is only for use with UL listed PCs (low power system).

Meets UL 60950-1 and CSA C22.2 No. 60950-1.

Safety of Information Technology Equipment.

Listed on USB Integrators List.

All WibuBoxes marked as RoHS are fully compliant

according to EC Directives 2002/95/EC (RoHS) and 2002/96/EC (WEEE).



RoHS compliant
WEEE-Reg-No:
DE 90465365

All dimensions in millimeter.
Subject to change without
notice.



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WIBU
SYSTEMS

WibuKey™ Security Issues

Can the WibuKey be used as a "Flash Memory" Device?

No, the WibuKey is a USB 1.1 device that contains no flash memory. It contains an ASIC designed by WIBU-SYSTEMS for the sole purpose of providing anti-piracy features to software protected by the WibuKey Protection System. In this respect, the WibuKey is no different from any other general USB device (like a mouse, keyboard or speaker system).

Does the WibuKey act like a USB "thumb drive" or any kind of USB drive with addressable memory?

No, the WibuKey resembles a USB drive in looks only. In fact, the OS needs a kernel level device driver to even know what to do with the WibuKey. USB drives do NOT require such device drivers.

Does the WibuKey contain any kind of memory?

While the device does contain a limited amount of EEPROM memory, it is not addressable by any end users.

Why can't the end user address the EEPROM memory?

Access to the EEPROM lies in a restricted area of a custom ASIC and is not addressable without the applicable "Firm Security Code" which is unique to every software developer.

Can anyone store information of any kind in the WibuKey?

No, even if an end user (or anyone) were able to find a way to access the EEPROM memory the amount of storage is limited to 16 Kbits. Not enough room to store anything except abstract values that aid in the anti-piracy features of WibuKey.

Information about WIBU-SYSTEMS AG

WIBU-SYSTEMS, AG, was founded in 1989 in Karlsruhe, Germany, by Oliver Winzenried and Marcellus Buchheit, with the focus on developing easy to use but highly secure and cost effective software copy protection systems.

The company currently develops and distributes security systems, based on hardware and software, for copy protection, document protection and access control... which enable sophisticated license management, Electronic Software Distribution (ESD) and Digital Rights Management solutions.

The highest priority in WIBU-SYSTEMS' company philosophy is to constantly provide our customers with the newest and most cost effective anti-piracy technologies and to make sure they are satisfied that we contribute to the preservation of their intellectual property rights and bottom line profits.

WIBU-SYSTEMS' main offices are located in the middle of the technological heart of Germany: Karlsruhe. WIBU-SYSTEMS also has subsidiary offices in Seattle, Washington and Shanghai, China, and supports a world-wide distributor network which ensures that we continue our strong tradition of local customer support.

Additional information

WIBU-KEY Software Protection: <http://www.wibu.com/us/wibukey.php>

Electronic Software Distribution: http://www.wibu.com/us/wk_details_esd.php

Digital Rights Management: <http://www.wibu.com/us/cm.php>

WIBU-SYSTEMS distributors: <http://www.wibu.com/us/distributorena.php>