DATASHEET

Article-No:

3031-06-xxx

WibuBox/U+



Description

The WIBU-BOX/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 all major operating systems, i.e.Windows, macOS and Linux distributions supporting USB. The WIBU-BOX/U+ needs WibuKey Runtime 4.10 or higher.

Technical Specifications

- Interface: USB 2.0 A-type connector, Full Speed USB 2.0 – USB 3.2 compatible
- Communication protocol: Mass Storage Device (MSD) or Human Interface Device (HID), HID default.
- Data retention: 10 years at @ + 25° C.
- Data endurance: > 500.000 write cycles.
- Power supply: 5VDC max.
- Power consumption: 25 mA max. (typical 5 mA / 190µA configured / unconfigured).
- Operating and storage temperature: 0° C ... +55° C, non-condensing
- MTBF (Mean Time Between Failures): 28 Mio. Hours @ + 25° C (according Siemens Standard SN29500-1).
- Lifetime: 10 years typical
- Case / Dimensions: 54 mm x 16 mm x 8 mm
- Weight: 6 g
- Warranty: 36 months

Certificates

The WibuBox is tested and qualified in accordance with the following standards:

RoHS compliant
WEEE-Reg-No:
DE 90465365

CE-Conformity | European Certificates

WibuBox is fully compliant with all applicable European regulations.

- 2014/30/EU EMC Directive: Report Bureau Veritas File CECFPE-WTW-P22020697A R1, 2025-02-07
  - EN55032:2015+A11:2020 / CISPR 32: 2015+Cor 1:2016, Class B
  - EN55035:2017+A11:2020, IEC/CISPR 35:2016
- 2014/35/EU Low Voltage Directive: CB Report UL File E211202-A6001-CB-1, 2025-08-22
  - EN IEC 62368-1:2020+A11:2020
- EU Directive 2011/65/EU (RoHS), 2015/863/EU (RoHS Amendment), 2017/2102/EU (RoHS Amendment), 2012/19/EU (WEEE), 1907/2006/EC (REACH), 207/2011/EU (PFOS -REACH Annex XVII), EU 2019/1021 (POP Regulation), 1272/2013/EU (PAH-REACH Annex XVII), and 1272/2013/EU (DINP-REACH Annex XVII).

International Certificates

- 47 CFR FCC, Part 15, Subpart B, class B: Report Bureau Veritas File FDCFPE-WTW-P22020697A R1, 2025-02-07
- ICES-003:2020 Issue 7, Class B: Report Bureau Veritas File CICFPE-WTW-P22020697A R1
- VCCI 32-1 Class B g2 ITE: Acceptance No. 2024081018
  - VCCI-CISPR 32: 2016, Class B
- KCC: XWK-303x-06-xxx (A), 2010-07-26
- SJ/T 11364-2024 (China RoHS2)
- BSMI CNS15936: D43250 RoHS, 2025-02-07
- ACMA (RCM): RCM2025021412-K, 2025-02-14
- EAC TP 037/2016: ЕАЭС N RU Д-DE. PA01.B25142/20

Other Certificates

- VDE License No. 129382
- C-UL-US listed I.T.E. Accessory 10 WB, E-File 211202, AZOT / AZOT7, 2025-08-22: Report UL E211202-A6001-UL

This encryption device is only for use with UL Listed PCs. It meets UL 62368-1, 3rd Ed and CAN/CSA C22.2 No. 62368-1:19, 3rd Ed Safety of Audio/video, Information and Communication Technology Equipment standards.

Ordering Information

- P/N 3031-06-510: WibuBox/U+ with solid turquoise blue case.

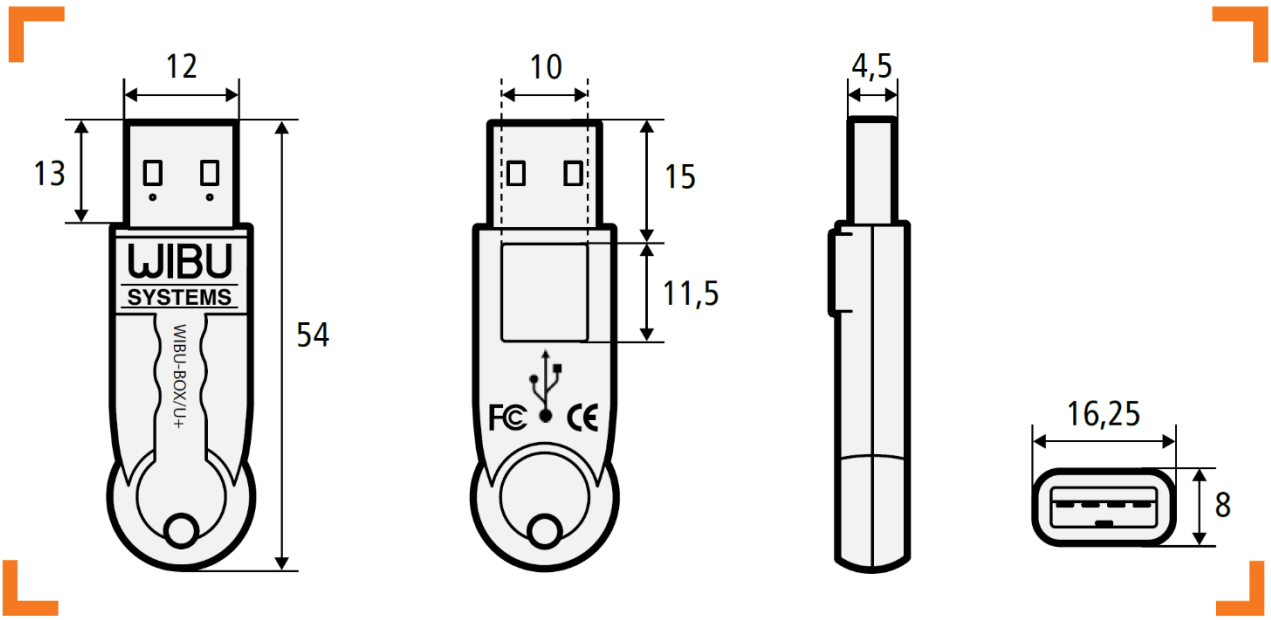
Variants with custom cases are available on request.

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Technical Drawing



All dimensions in millimeters.

Subject to change without notice.

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