TimestampServer

utimaco®

Secure timestamp for document and data authenticity

The Utimaco TimestampServer is the ideal hardware security module for business applications that require proving the **existence of a document or data** at a **specific point in time**.

Whether this relates to the signature date of electronic contracts, the reception of offers on electronic tender platforms or the submission time for an online lottery – the Utimaco TimestampServer ensures the **tamper-proof creation and authenticity of timestamps**. It can be verified at all times whether the timestamped data existed in the exact same form at the point of time logged by the timestamp.

Periodical re-creation of a **current timestamp guarantees continuity** of the audit trail to enable long-term archiving – year after year, even after expiration of older signature certificates.

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Fields of application

- Document management and archiving systems
- Long-term archiving solutions
- Electronic tender platforms
- Lottery and online betting
- Electronic contracts
- Support and ticketing systems

Secure investment

- Highest performance at an attractive price point
- Non-limited number of connections
- Easy software upgrades for adapting to future timestamp protocols and algorithms

Interfaces

- RFC 3161 timestamp protocol via HTTP or TCP, IPv4 and IPv6 network protocol
- CryptoServer Timestamp API for general TimestampServer administration
- PKCS#10 and PKCS#7 for request and import of TimestampServer certificates
- NTP Network Time Protocol for synchronization of TimestampServer with external time server

Algorithms

- RSA, key length up to 8192 bits
- Hash algorithms SHA-1, SHA-2 family, RIPEMD-160, MD5

Security

- Integrated Hardware Security Module is certified in accordance with FIPS 140-2 Level 3
- FIPS 140-2 Level 4 physical security with TimestampServer CSe-Series
- Meets requirements of ETSI Technical Specification TS102023 Policy Requirements for Timestamping Authorities
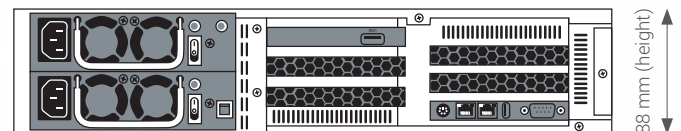
Specifications & Technical data

Form factor

- Popular 19 inch network appliance allowing for a multitude of remote administration options

Technical data

- 19" 2U form factor
- Redundant field-replaceable power supply 90~264 V, 47~63 Hertz AC, 2 x 320 W
- Power consumption typically 75 W / 85 VA, max. 90 W / 100 VA
- Heat dissipation max. 307 BTU/h
- 2 RJ45 1 Gb/s network interfaces
- Operating temperature TimestampServer Se-Series: +10°C to +50°C (+50°F to +122°F)
- Operating temperature TimestampServer CSe-Series: +10°C to +40°C (+50°F to +104°F)
- Storage temperature: -10°C to +55°C (+14°F to +131°F)
- Relative humidity: 10% to 95% non-condensing
- MTBF 90,000 hours at 25°C / 77°F

446 mm excluding brackets (width)

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USB Host USB CS
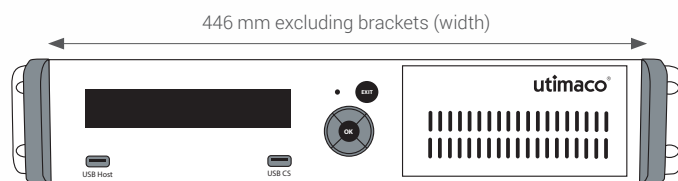
510mm excluding handles (depth)

88 mm (height)

14kg (weight)