GOOD DESIGN® Selection

GERMAN DESIGN AWARD SPECIAL 2017

spreedbox®

Spreedbox

Most private video conferencing and file exchange

spreedbox.com

"The Spreedbox is your private cloud and trustworthy video conferencing and file sharing. It's literally in your hands to take back your data."

— Niels Mache

Spreedbox

Rediscover private video chat, messaging and file exchange. Secure and control your own data. The Spreedbox is a unique device which will allow you to conduct audio/video conferences, meetings, text/video messaging and file exchange securely over the Internet.

Cloud vs. Private Cloud

Today, most organizations utilize online services like Google®, Skype®, WebEx®, GoToMeeting®, and BlueJeans® for file sharing and communication. But where is your data and who has access to all your confidential conversations, files, videos and personal contacts? Sensitive information is often uploaded and shared with these service providers that lack adequate service and privacy agreements that meet your requirements in privacy and confidentiality.

With the Spreedbox, your data will be stored on Spreedbox's flash memory. You can expand the storage capacity by adding an external disk drive (up to 4 USB ports are available) or to external storage services and the data can be encrypted by the Spreedbox before storage. Get all the benefits of the Cloud without compromising your privacy.

Your Data, Your Control

The Spreedbox empowers you to reclaim ownership of your data. Make a call, invite your friends and clients, and collaborate in closed groups through video/audio, text messaging, and document and file sharing. The Spreedbox allows you to do this via computers, mobile phones and tablets through the Internet or limited to an Intranet. With the highest measurements for control and security, you can rest assured that your data will remain confidential on your personal Spreedbox. You can access your private data through an easy-to-use web interface with PC, Android and iOS devices.

Open Source

An international community of software engineers and volunteer contributors developed the server software and you are invited to get involved, too. The Spreedbox software is free and published under open source AGPL license which allows you to examine, share and modify it.

Unparalleled Security

Spreedbox firmware is Linux based, providing a world-leading level of security as transactional components with rigorous application isolation. Using well implemented secure cryptographic algorithms, a high-speed quadcore CPU and two independent hardware true random number generators (TRNGs), Spreedbox features an outstanding cryptographic specification well above any industry standard.

Use One Spreedbox, Reach Many

The Spreedbox is instantly ready to use. Using one Spreedbox, you can securely host a meeting with up to 6 people in a session. You can use video/audio, share files and collaborate on documents. Up to 10 group sessions can be held simultaneously, each with 6 attendees. This is an awesome capacity of real-time meeting. Up to 60 people at any one time – all with a single Spreedbox.

One Last Thing

As the Spreedbox is your private cloud, you can video chat and share globally 24 hours a day, 365 days a year. There are no fees, no subscriptions and no running costs.*

*Electricity and Internet connectivity is on your account.

Spreedbox Applications

The primary use of Spreedbox is private and secure video chat and file exchange. In industry applications, information security is pervasive in sectors with an increased requirement for secure and private communication:

➜ **Information Technology**
➜ **Industry**: construction, automotive, aerospace and semiconductors
➜ **General Engineering & Design Manufacturing**
➜ **Finance Industry**
➜ **Lawyers, Advisors & General Consultancy**
➜ **Research Laboratories & Universities**: general science collaboration
➜ **Government**
➜ **Hospitals**: collaborative environment for radiology and medical imaging. Secure, real-time exchange of diagnostic reports, sharing of medical imaging in real-time across desktop and mobile devices
➜ **Doctors**: medical consultation
➜ **Schools**
➜ **General secure communication and secure file exchange**

Securely use your Spreedbox with web browsers and apps:

Android App

Our Spreedbox Android app is available on the Google Play Store: https://play.google.com/store/apps/details?id=spreedbox.me.app&hl=en

iOS App

Get our app for iOS on the App Store:
https://itunes.apple.com/us/app/spreed.me/id1058498417?mt=8id828333357?mt=8

WebRTC Browser

Any web browser that supports WebRTC - including Iridium, Google Chrome, Mozilla Firefox, and Opera.

Iridium Secure WebRTC Browser

Get the most secure browser here:
https://iridiumbrowser.de
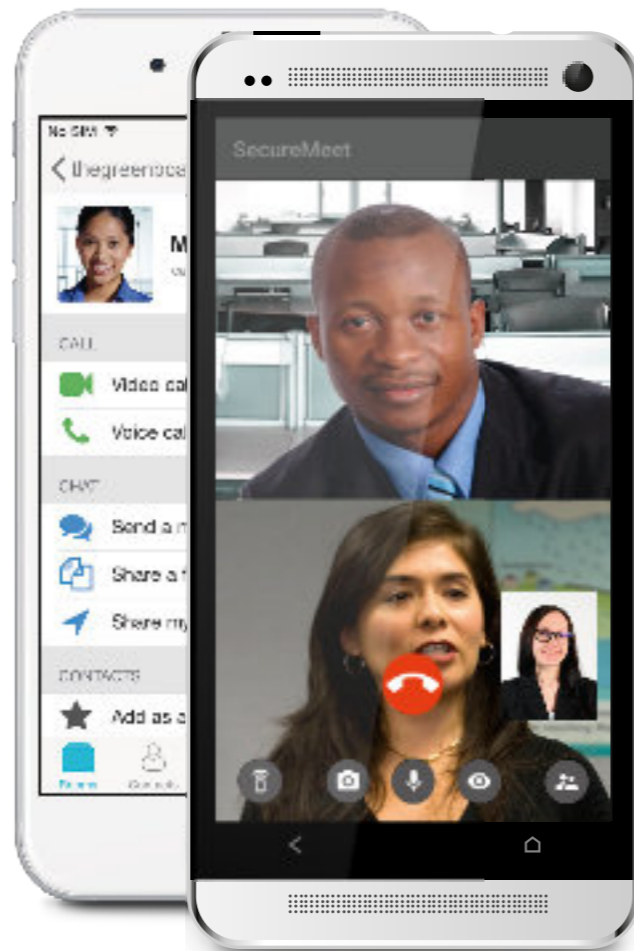
Sp(r)eed up your privacy. Use your Spreedbox with secure web browsers and apps.

Design

With its clear and straight shape the Spreedbox reflects the integrity of its software.

Purity

The Spreedbox is made from a single piece of aluminum. Its unibody is milled from a solid block of aluminum alloy.

Strength & Durability

Its beautiful anodized finish keeps the Spreedbox from corrosion and provides a hard and (mostly) scratch resistant surface.

Ease

The Spreedbox is quiet due to passive cooling. Its large surface and thermoconductive material keeps the box cool at all times.

Brilliance

Its customizable color patterns notify you about calls, voice/video messages and incoming files. The well-engineered LED diffusor maps the radiated light onto a beautiful carbon black stand.

These outstanding details manifest the awesome design and function of the Spreedbox.

"A product that is coherent in form requires no embellishment. It is enhanced by the purity of its form. "

–F. A. "Bützi" Porsche

Security Features

Hardware Random Number Generator

The Spreedbox Secure Key HRNG is a hardware unit that generates informational entropy as bit-serial random numbers and presents it over the Serial Peripheral Interface (SPI). This allows you to improve the quality and availability of random data needed by the Spreedbox for cryptography and security, and eventually for your own purposes.

The Spreedbox hardware random number generators are designed to be verifiable and hackable. The entropy source of the Spreedbox HRNG is derived from two avalanche diodes arranged in a bridge circuit that is amazingly fast, reliable and effectively suppresses incoming parasitic noise-like signals from the environment.

Iridium Secure Browser

For enhanced privacy and security, Iridium Secure Browser is available.

End-2-End Encryption
(DTLS 1.2, TLS 1.2, DTLS-SRTP)

TLS 1.2

➜ ChaCha20-Poly1305
  (iOS, Desktop App, Iridium on Mac/Windows)
➜ AES128-GCM-SHA256
  (Iridium on Linux)
➜ ECDHE with secp384r1 prime field curve

DTLS

➜ ChaCha20-Poly1305
  (iOS, Desktop App)
➜ AES256-CBC-SHA
  (Iridium on Mac and Windows)
➜ AES128-CBC-SHA
  (Iridium on Linux)
➜ ECDHE with secp256r1 prime field curve

DTLS-SRTP

➜ AES128-GCM

Private cloud. No subscription, no running costs.

Features

Secure

End-to-end encryption (E2E) for secure video & audio calls as well as text chat

HD Audio

HD wideband audio codec with 20kHz audio bandwidth and stereo (optional)

HD Video

HD video with video resolution of up to 1080p (max. video resolution depends on operating system and USB camera)

Nextcloud

Nextcloud file sync & share is included

Option: Post-Quantum Encryption

For secure communication and digital signature of documents

Screen Sharing

High-Definition screen sharing

File Transfer

Secure P2P file transfer

Presentations

PDF files and Open Document Format (ODF) presentations

Recording

Voice and video recording

H.265/HEVC Video

Capable of streaming H.265/HEVC video

Notifications

Customizable light-patterns for signaling calls, messages and incoming files

Web-based Setup

Easy to set up with web browser interface

Linux

Operating system: Linux

Open Source

Available as open source software: Spreed WebRTC & libde265 H.265/HEVC

Private Cloud

No subscription, no running costs

Technical Specifications

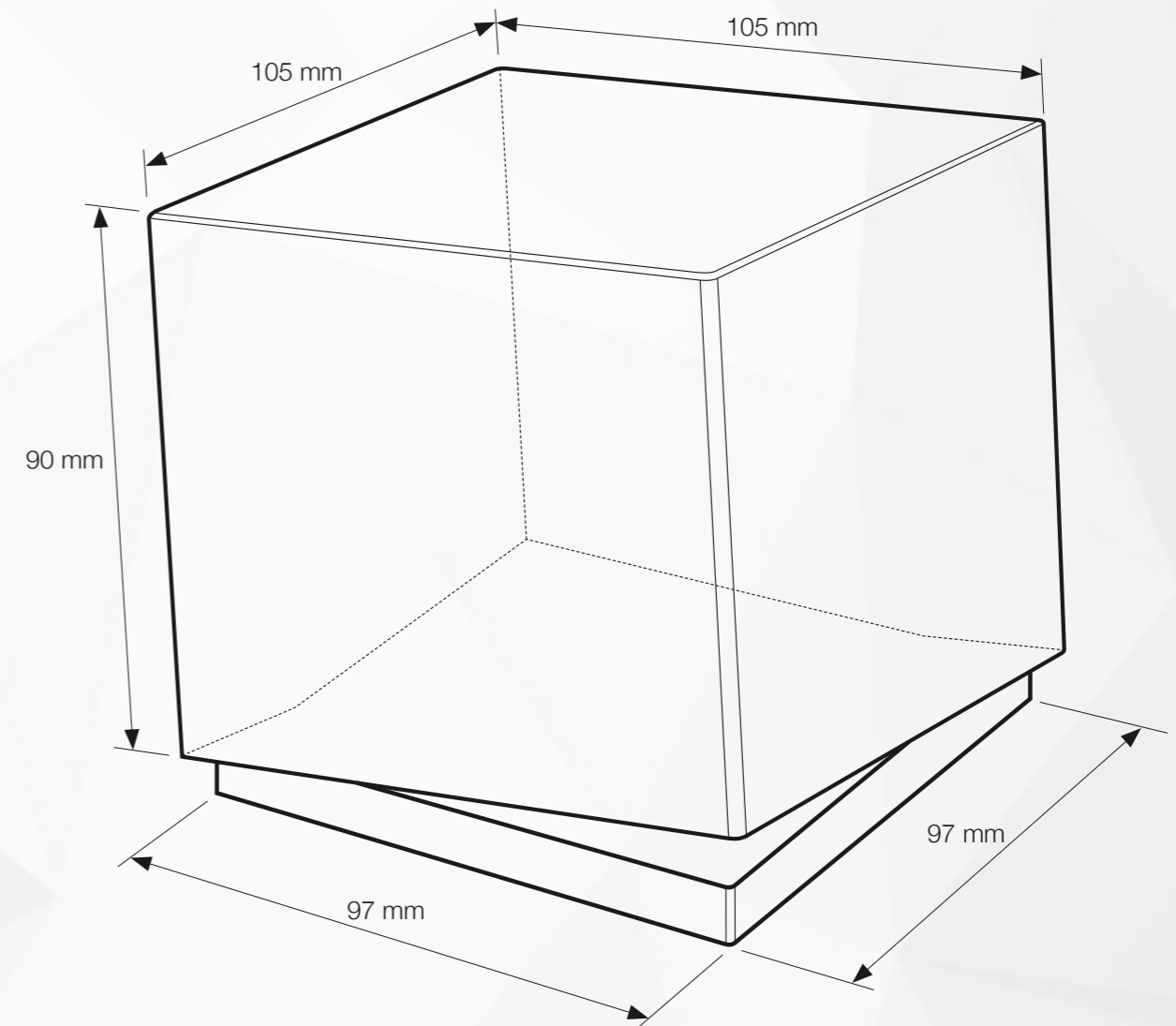|	
Amlogic Cortex-A5 (ARMv7) 1.5Ghz quad core CPU	UHS-1 SDR50 MicroSD Card with 64GB, 128GB or 256GB Flash Memory
Mali-450 MP2 GPU	USB 2.0 Host x 4, USB OTG x 1
1 Gbyte DDR3 SDRAM	Micro HDMI Type-A connector
Custom high-speed hardware random number generator (HWRNG)	eMMC4.5 HS200 Flash Storage slot
User-definable LED light color patterns	Pre-installed software on microSDHC UHS-I Class 10 memory card
Gigabit Ethernet 10Base-T, 100Base-TX, and 1000Base-T IEEE 802.3 standards	Power Supply 100-240 V, 5 V/2 A, Standby < 0.1W, conforms to EU Directive on Eco-Design (ErP). Power-plug adapters included.
RTC (Real Time Clock) with backup battery	

Size and Weight

➜ Height: 4.4 inches (11.1 cm)
➜ Width: 4.1 inches (10.5 cm)
➜ Depth: 4.1 inches (10.5 cm)
➜ Weight: 2.8 pounds (1.3 kg)
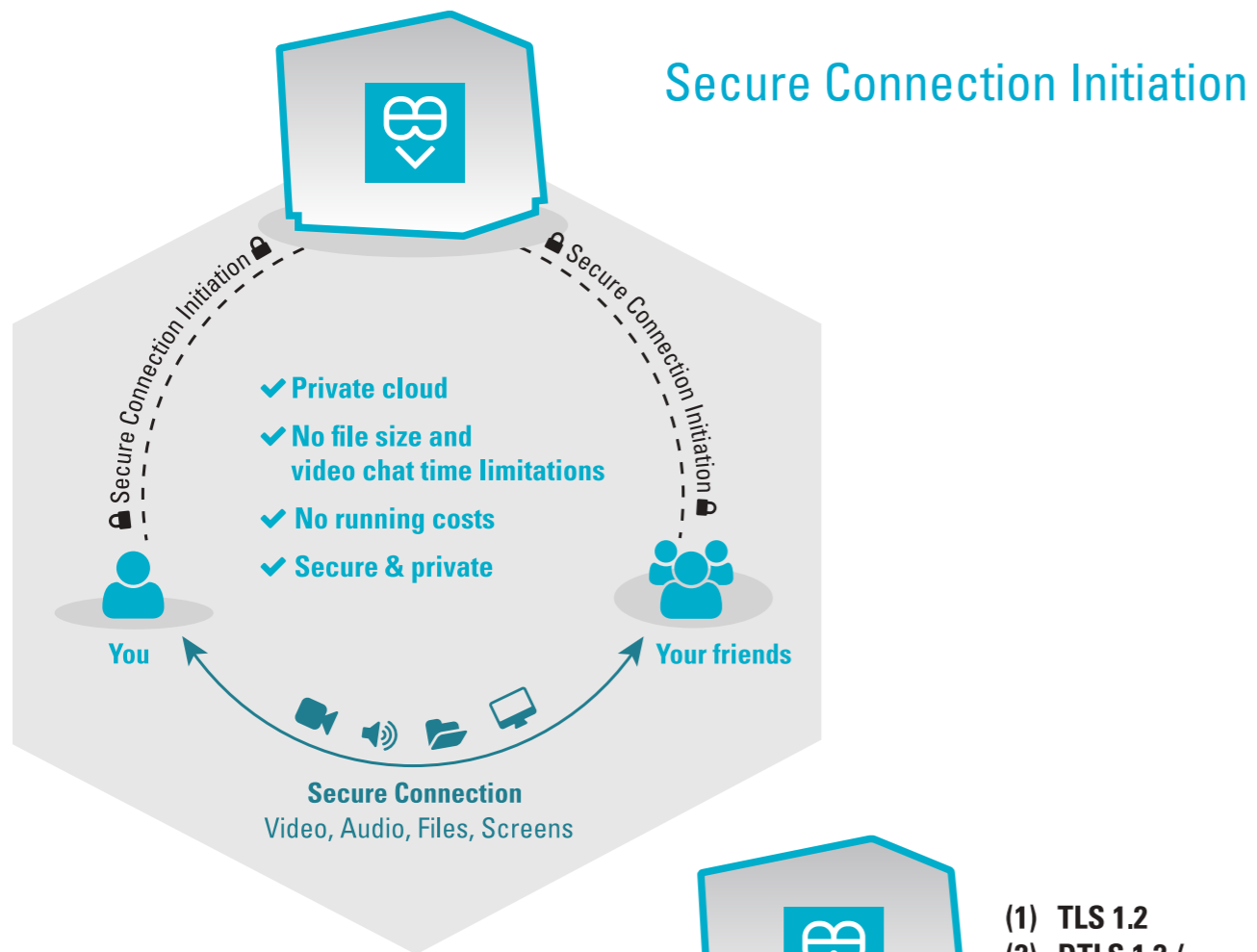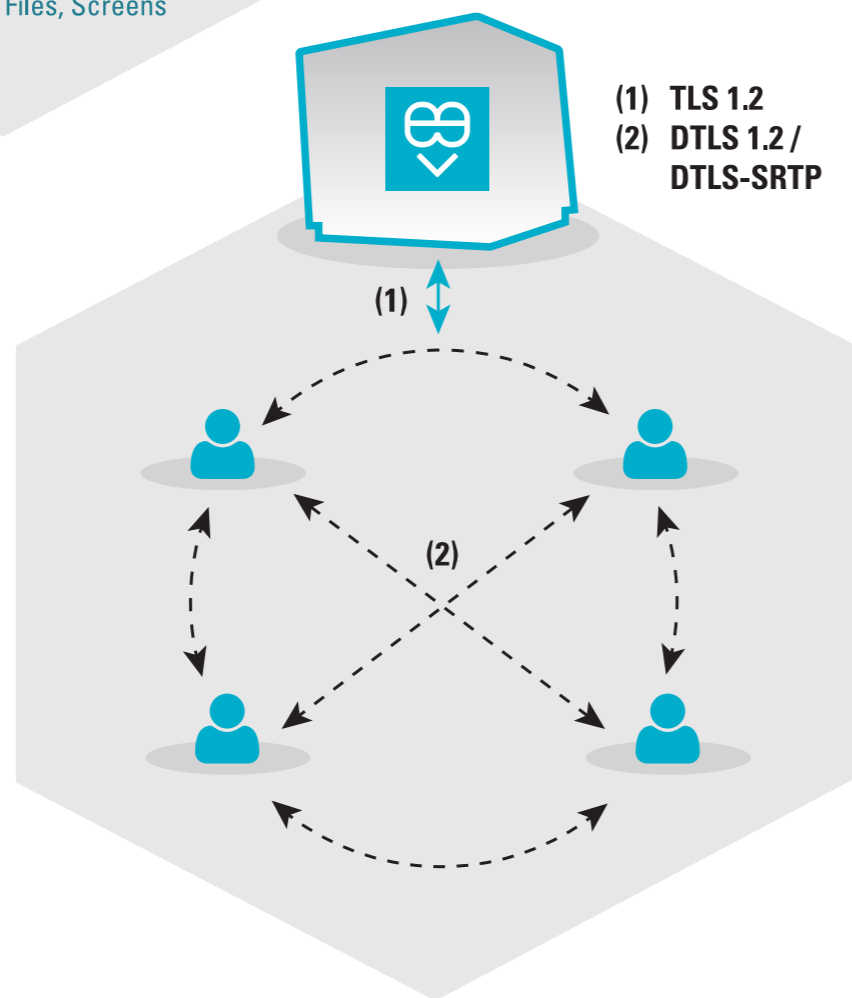
What's in the Box

Wireless USB Adapter

MicroSD

Power Plug

Quick Start Guide

With its clear and straight shape the Spreedbox reflects the integrity of its software.

105 mm

105 mm

90 mm

97 mm

97 mm

Secure Connection Initiation

- ✔ **Private cloud**
- ✔ **No file size and video chat time limitations**
- ✔ **No running costs**
- ✔ **Secure & private**

You

Your friends

Secure Connection Initiation

Secure Connection Initiation

Secure Connection
Video, Audio, Files, Screens

Spreedbox Security

(1) **TLS 1.2**
(2) **DTLS 1.2 / DTLS-SRTP**

(1)

(2)

Secure communication example: 4 attendees meet together (many-to-many)

Start communicating through a safe and secure line.

Get your Spreedbox now.

spreedbox®

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Member of
OSB Open Source Business
ALLIANCE