

Volla Phone Quintus: The next generation of mobile communication

Revolutionary smartphone with distributed cloud computing and decentralized meshnet

Remscheid - With the Volla Phone Quintus, the young Remscheid-based company Volla Systeme GmbH is setting new standards in mobile communication and data security. With revolutionary technologies such as Distributed Encrypted Edge Computing and a distributed cloud, it offers the highest security standards in the mobile web. At the same time, it enables greater flexibility and data protection thanks to a broad ecosystem of apps. Thanks to the decentralized Volla Meshnet, a completely new Internet concept is also realized. The official launch of the Volla Phone Quintus and the current Volla OS 14 operating system will take place at the Volla Community Days on June 15 and 16, 2024. The smartphone will be available via Kickstarter from July 2.

Volla Phone Quintus - Revolutionary technologies and functions

The Volla Phone Quintus brings a paradigm shift to mobile communication and data security. With this new model, Volla Systeme presents a combination of innovative technology and the highest security standards. Here are the most important innovations and functions in detail:

- **The Volla Cloud without a data center:** With Volla OS 14, the Volla Phone Quintus offers an embedded, distributed cloud without a data center. This innovative technology, powered by Holochain, uses peer-to-peer and post-blockchain technology to create a secure and convenient platform for apps and cloud services as an alternative to iCloud and Google Cloud. The cloud is optionally integrated and uses *Distributed Encrypted Edge Computing*, in which Volla Phones form the cloud and data is only exchanged with *trusted peers*. This ensures maximum cyber security, as data cannot be controlled or manipulated by third parties. Convenience meets maximum privacy and security.
- **ecosystem for numerous apps:** A number of new applications are also integrated into the new Volla OS 14 operating system:
 - The secure messenger "Relay" offers 1-to-1 chats and group chats with secure authentication and allows you to share photos, files, audio and video files - all 100% encrypted with 256-bit encryption.
 - The "Locker" backup app is available for automatic, incremental backups of data and provides immediate security by prioritizing data and the option of swapping out if local storage is insufficient. It also enables (selective) recovery in the event of theft or defect as well as secure deletion, also 100% encrypted with 256-bit.

- Apps from desktop operating systems such as Windows, macOS and Linux can be used on the Volla Phone Quintus and increase the flexibility and productivity of users.
- **Decentralized Volla Meshnet:** The future internet without central control uses a decentralized hybrid infrastructure that uses the best available network access. Even in the event of a blackout or internet outage, it is functional thanks to LoRa radio technology and ready for post-quantum computer encryption. The Volla Meshnet enables a completely new type of networking and data storage and sets new standards in mobile communication.

Volla systems - Paving the way for secure and independent communication

The Volla Phone Quintus fits seamlessly into the vision of Volla Systeme GmbH. The company's mission is to give people back control over their data and communication. Volla Systeme stands for a paradigm shift and the revolution of mobile communication.

Volla Systeme GmbH was founded in 2017 by Dr. Jörg Wurzer and is an independent, German manufacturer of smartphones with its own operating system Volla OS or the mobile Linux distribution Ubuntu Touch. Volla OS is characterized by uncompromising data protection and an innovative, intelligent operating concept.

Following the successful launch of the first Volla Phone in 2020, Volla Systeme now offers a range of innovative products, including the Volla Phone 22, Volla Phone X23 and the Volla Tablet. These devices combine performance, design and security and are available with both Volla OS and Ubuntu Touch.

Important collaborations, such as with the UBports Foundation and Oniro OS, support Volla Systeme's vision of creating independent and secure technology for everyone. Partners also include Gigaset Communications, Hide.me, Startpage and StartMail, who are working with Volla Systeme to promote topics such as data protection and digital self-determination.

Collaboration with the community and launch through crowdfunding

Volla Systeme relies on close cooperation with the ever-growing developer and user community and follows the open source concept. At the annual Volla Community Days, new products are presented, new partnerships are introduced and community projects are worked on. The Volla Community Days provide a platform for direct dialog and collaboration to further improve Volla products and drive innovation. These events are a central component of Volla Systeme's corporate philosophy and promote the exchange between developers, users and the company.

As part of this year's Community Days on June 15 and 16, the Volla Phone Quintus and the current Volla OS 14 operating system will be presented and questions about hardware and software will be discussed in detail. Participants will also have the opportunity to find out more about the new partnership with the Eclipse Foundation, which is working with Volla Systeme GmbH and established industry brands such as Huawei, Linaro, Software Mansion, Array, Futurewei, Typefox and NOI Techpark to develop an independent and freely available smartphone operating system for Europe - the Oniro OS.

Interested parties can take part on site or online via livestream: <https://volla.online/en/blog/files/vcd-2024.html>

Parallel to the Community Days, the launch of the Volla Phone Quintus is being prepared by a crowdfunding campaign that will start on Kickstarter on July 2. This initiative offers supporters the opportunity to actively participate in the development and market launch of the new product. Interested users can register in advance via <https://www.vollaquintus.com/> to receive exclusive benefits.

All specifications of the Volla Phone Quintus

The Volla Phone Quintus impresses with a full-screen, rounded 6.78-inch AMOLED display, a powerful triple camera and an 8-core Mediatek Dimensity 7050 processor. It offers 8 GB RAM and 256 GB internal memory as well as support for 5G and a variety of sensors.

Detailed specifications:

- **XL display:**
 - Full-surface, rounded 6.78-inch AMOLED display with punch hole for front camera
 - Radiant brightness with 650 nits typical $\pm 10\%$ and up to 980 nits HBM
 - Brilliant colors and razor-sharp images with 1080x2400 pixels at 120Hz refresh rate
- **Per camera:**
 - Triple camera with 50 MP (Wide) + 8 MP (Ultra-Wide) + 2 MP (Macro) sensor
 - Up to 4K video recording at 30 frames per second
 - Perfect shots for all situations with f1.88, f2.2, f2.4 aperture, HDR and other intelligent functions
 - 15.9 megapixel front camera with HD video function
- **High-performance processor:**
 - 8 core Mediatek Dimensity 7050 processor on 6 nanometer structure
 - 2.6 GHz clock rate
 - Graphics processor Mali-G68 MC4
- **Storage and construction:**
 - 8 GB RAM and 256 GB internal memory
 - Super slim, lightweight design with glass back
 - 164.15 x 74.7 x 8.75 mm, 204.6 g
- **Connectivity:**
 - 2G/3G/4G plus 5G high-speed network, can be optionally switched off, for up to 2 SIMs
 - Bluetooth 5.2 including LE
 - WLAN 802.11 a/b/g/n/ac/ax Wi-Fi 6
 - Minimum radiation with SAR values of 0.133 W/Kg (head) and 0.763 W/Kg (body worn)
- **Seven sensors:**
 - Light and Proximity, G-sensor, E-Compass, Battery Health, Fingerprint, NFC, Gyroscope
- **Scope of delivery:**
 - Transparent back shell
 - USB charging cable
 - USB headphones
 - USB power supply unit

- SIM needle
- Operating instructions
- **Accessories:**
 - Display protector glossy or matt
 - Colored back shell
 - Book Case

Further information on the products, partnerships and philosophy of Volla Systeme can be found on the official website volla.online.

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