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Volla Phone X23: The second generation of the rugged smartphone from Germany is here

Double security and unique simplicity thanks to artificial intelligence and open source

Remscheid (pts025/02/10/2023/15:30) -

In less than three years after the first Volla Phone, the young company Hallo Welt Systeme is launching the second generation of its rugged smartphone variant, the Volla Phone X23. The German-made open source phone is available for pre-order now and is scheduled to ship in May.

The combination of an extremely resistant and waterproof design and the privacy-optimized, proprietary Android operating system Volla OS offers users double security.

Speech recognition in the form of a trustworthy speech-to-text technology based on artificial intelligence consistently continues the novel operating concept of direct interaction. The Volla OS thus replaces the app paradigm of today's smartphones and at the same time ensures maximum privacy by being independent of a cloud.

The special features at a glance:

- * Google-free Android with security mode for high data protection and privacy
- * Intelligent user guidance for more simplicity and convenience
- * AI speech recognition without dependence on a cloud for consistent data protection
- * Resistant according to military standard MIL-STD-810H
- * IP68 dust and waterproof housing with replaceable battery
- * 48-megapixel camera and powerful "MediaTek Helio G99" 8-core processor Details

at: <https://volla.online/de/volla-phone-x23>

Intelligent springboard for all everyday functions

When a user locks the Volla Phone X23 with the ergonomic, side-mounted fingerprint sensor, only a text field and a red dot are visible: Volla OS's springboard. "This is to keep our minds free for the things that are really important," says founder Dr. Jörg Wurzer, explaining the minimalism.

The red dot indicates a menu that allows users to quickly and effortlessly access key everyday functions and content with a single gesture, such as recent contacts and

Messages. The text field, in turn, is used to record input, which the system interprets in real time and offers completion or suitable functions. Thus, the Volla OS recognizes whether a user enters a phone number, writes a text message to a friend or wants to note down an appointment. It can also be used to start an Internet search.

"It was obvious to enable speech input, which is completely in line with our guiding principle of freedom through simplicity and security," says Dr. Wurzer. Based on state-of-the-art artificial intelligence, this speech-to-text technology is executed exclusively locally on the powerful hardware with an 8-core processor and without a cloud. This clearly sets the Volla OS apart from other voice assistants such as Alexa, Siri and Cortana.

If you prefer a classic look, you can also display a clearly grouped overview of the installed apps. The most frequently used apps form their own group so that everything important can be accessed quickly.

Security mode and anonymous VPN for high security and data protection

Without Google apps and services, the Android operating system Volla OS promises high security and uncompromising privacy protection. Nevertheless, most Android apps can be installed and used. If an app needs Google services, users can optionally install microG with the latest Volla OS, an alternative and open-source implementation of the functions offered by Google Play services.

A unique security mode lets users lock out Internet domains from data collectors and malware, and temporarily block apps. Conversely, domains for which access is allowed can be set for employees in companies or for children and teenagers.

Robust but compact design for double safety

The new casing of the Volla Phone X23 is particularly resistant according to the military standard MIL-STD-810H. A large display with Corning Gorilla Glass 5 contributes to this. The new model also meets the IP68 standard for protection against water and dust. The device can be used under water for up to one hour or one meter. The rather elegant form factor with clear lines, edges and subtle curves is surprising.

This makes the smartphone ideally suited for outdoor activities in the rain, sports, and professional environments in trades, industry, emergency services, and medicine. For the latter applications, the device can be fully disinfected and meets the highest data protection requirements with its secure operating system. "With its robust design, superior camera functions and many other features, the Volla Phone X23 is a true all-rounder for a modern, versatile lifestyle," says Dr. Wurzer.

Multifunctional illuminated ring and additional button for more comfort

On the back, there are two lenses embedded in the case, as well as an LED light for flash and flashlight, framed by a light ring that can be used multiple times: as an animated indicator for battery charging, as an indicator for calls or messages, or even as a stylish animated indicator when playing music.

The additional button on the side can also be used for many purposes, for example, to activate voice input. Special functions are also conceivable for professional use, which the manufacturer offers as part of an adapted Volla OS for business customers.

Open source smartphone with Ubuntu Touch as an alternative

"Like the operating system itself, we will also publish the source code of the new components to create transparency and involve the growing community of users and developers," assures Dr. Wurzer.

The manufacturer is again preparing the mobile Linux operating system Ubuntu Touch for the Volla Phone X23 in cooperation with the German UBports Foundation. The alternative, which is also open-source, offers users full control via a terminal app for extensive system control. At the same time, Ubuntu Touch is already prepared for the convergence concept, where a smartphone can be used as a mini-PC.

The multi-boot function allows users to use multiple operating systems on one device, such as other mobile Linux variants like Manjaro, Sailfish OS or other Linux derivatives in parallel with the Android-based Volla OS. The user can then boot the device with the desired operating system as needed.

New standard for sustainability in the mobile communications segment

Although it is a water-resistant smartphone according to the IP68 standard, the battery can be replaced without tools. However, that is only an insignificant contribution to sustainability in practice since modern lithium-polymer batteries last for many years.

Of greater importance is the long-term availability of system updates, which allows users to use the smartphone for more than the usual 2 years that other manufacturers provide updates. This is possible because the powerful processor with a slimmed-down operating system without Google services provides the performance for smooth operation for many years.

In addition, the Volla OS causes about 80% less data traffic, background services for collecting user data or useless services in the cloud are not used. This is an often unnoticed aspect: The extreme energy requirements of cloud data centers like those of Apple or Google.

Equipped for the future through powerful equipment

Like the elegant flagship model of the young brand, the Volla Phone 22, the Volla Phone X23 has received a 48-megapixel main camera with 8-megapixel macro and wide-angle cameras. A Mediatek G99 processor, which was only launched last year, easily provides the power for all everyday functions with 8 processor cores and a clock speed of up to 2.2 GHz - even in the future. 120 GB of memory can be expanded by 1 TB with a memory card. Two SIM cards can be used at the same time.

All device features of the Volla Phone X23 at a glance:

- * Processor: "MediaTek Helio G99" 8-core processor (6nm) with 2x A76 up to 2.2 GHz, 6x A55 up to 2.0 GHz and GPU Arm Mali-G57
- * Display: IPS display with 500 nits (min.)/550 nits (typ.) brightness and Corning® Gorilla® Glass 5
- * Display size: 6.1 inches with U-Notch, 1560 x 720 pixels
- * Housing: Ruggedized to military standard MIL-STD-810H + IP68 dust and water resistant
- * Device dimensions: 160.9 mm (h) x 80 mm (w) x 12.2 mm (d)
- * Weight: 270 g
- * Pre-installed operating system: Volla OS, based on AOSP or Ubuntu Touch
- * Memory: 4 + 128GB, expandable up to 1 TB with Micro SD Card
- * Camera: 48 MP (PDAF) + 8MP (AF) rear dual camera, 16 MP front camera
- * SIM: Two nano SIM cards independent of microSD memory card
- * Battery: 5000 mAh, fast charging option up to 30W, wireless charging up to 15 W

- * Frequency bands: GSM/2G 850/900/1800/1900, UMTS/3G B1(2100)/B8(900), TDD/LTE/4G B38(2600)/B40(2300) FDD/LTE/4G B1(2100)/B3(1800)/B5(850)/B7(2600)/B8(900)/B20(800)/B28AB(700)
- * Wireless connectivity: GPS/AGPS, Glonass, Wifi 2.4GHz/5GHz, Bluetooth 5.2, NFC
- * SAR values: At the head: 0.625 W/kg, worn on the body: 1.456 W/kg
- * Sensors: Fingerprint, gravity, distance, light and geomagnetism.
- * Connectors: USB-C, 3.5 mm stereo jack for headset, data connection and power adapter

The innovations at a glance:

- * Resistant according to military standard MIL-STD-810H
- * IP68 dust and waterproof
- * Replaceable battery without tools
- * Optionally with Volla OS and Ubuntu Touch
- * Introducing speech-to-text for Volla OS 12 with trusted, open-source AI without cloud for uncompromised privacy protection
- * 48 MP + 8 MP wide-angle main camera. 4k videos. 16 MP selfie camera.
- * Illuminated ring around camera for notifications and more
- * 128 GB internal memory, expandable by 1TB (!) with memory card
- * Extra button for additional functions

Pre-order at the early bird discount of 10 % with the code "VOLLAX23" at: <https://volla.online/en/volla-phone-x23>

About the company

Hallo Welt System was founded in 2017 by Dr. Jörg Wurzer. After three years of research and development, the company introduced the first Volla Phone in 2020 with a crowdfunding campaign. With the Volla Phone and the Volla Phone X, Hallo Welt Systeme UG from Remscheid completely rethought the "smartphone" concept two years ago. As an alternative to the variant with the in-house development Volla OS, the devices are also available with the mobile Linux version Ubuntu Touch, for which around 30% of Volla customers have opted so far.

Together with other small and medium-sized companies and organizations, Volla-Phone founder Dr. Jörg Wurzer has launched an alliance for more independence, self-determination, privacy protection that aims to advance issues such as data protection, digital self-determination, open source, privacy and independence from the big technology companies. Partners include Gigaset Communications, the UBports Foundation, the VPN provider Hide.me, the search engines Startpage and Metager, and the secure, encrypted e-mail service StartMail.

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