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Tactilon Dabat

Smart. Strong. Secure.



Smart

Tactilon Dabat® is a game changing hybrid device for critical collaboration.

Hybrid revolution

Professionals in all fields require more collaborative communication to achieve their mission. Data, images and video are a huge opportunity to improve performance and unlock entirely new capabilities.

Tactilon Dabat is the world's first combined TETRA radio and smartphone. It is the natural evolution of the TETRA radio terminal, and a true revolution for productivity in the field. One single device for full critical connectivity. A secure software platform for intelligence on-the-go. One flagship dual-mode handset for both public safety and business critical users. Dabat is the ultimate hybrid device of the future.

More than TETRA, more than android

Tactilon Dabat is a hybrid that's much more than the sum of its parts. It is engineered to match and surpass the ergonomics of traditional PMR handsets for push-to-talk communication, direct and emergency calls as well as messaging services.

At the same time, Dabat has a large touch screen, LTE mobile broadband and its secure Android implementation is a full-fledged modern mobile operating system. Accessing TETRA groups over broadband network in areas without TETRA coverage is just one example of a dual mode device bringing you the best of both worlds.



Act on intelligence

With Tactilon Dabat, you can access everything you need to know, anywhere you go, on one single device. See more at a glance on Dabat's 5" HD display with best-in-class resolution. The bright screen has been designed for increased information density and maximum utility in the field.

Route maps, repair manuals and complex database views are all right at your fingertips. Quickly reviewing medical imaging, scanned paper forms or large tables has never been this convenient.

Show and tell

Dabat's entirely new 16MP camera offers image quality never seen before in any critical communication handset. Document any situation with high fidelity. Share a real-time crystal clear view of the surroundings with the team. Carry out repairs, maintenance tasks and other complex work faster with access to remote expertise and assistance through a real-time video connection.

Higher image quality is especially beneficial for applications using computer vision. Text recognition and detecting object features with higher precision means applications performing facial recognition, iris scanning and ID document verification work faster and with higher accuracy. Faces can be identified from further away and individuals can be picked out from larger groups of people.

Save time, money and lives

The Airbus SmarTWISP developer ecosystem makes Dabat much more than just a TETRA terminal. Tactilon Dabat is a true software platform with hundreds of partners creating secure software solutions to fill any organization's operational needs.

Mobile tools your organization already uses can all be ported or adapted to Dabat, whether it's a simple customized browser or an external accessory and app for fingerprint scanning on the go.

Strong

For decades Airbus has made tough communication devices that are guaranteed to perform in critical situations in the harshest of conditions. True to its heritage, Tactilon Dabat is just as tough as it is smart. With a refined design for the second generation handset, Dabat is an incredibly rugged device with usability engineered for action.

Mission ready

In the field, split seconds matter. We designed every single interface and hardware button with one goal: equip our users with a reliable everyday tool that is intuitive and fast to use. Dabat has a physical, ridged emergency key that is easy to locate and ergonomically designed multi-purpose push-to-talk buttons. Users can operate Dabat without ever taking their eyes off the action.

Two additional physical buttons are fully user programmable and let you customize Tactilon Dabat for your operational needs. Dabat's smartphone features are equally ready for action. The high-resolution capacitive touch screen is bright enough to be used outside in broad daylight. It is also fully functional in wet weather and compatible with gloves.

Everything-proof

Tactilon Dabat's body is a pinnacle of utilitarian mechanical engineering that combines uncompromised network performance, a user changeable battery and standard connectors in a virtually indestructible, weather-sealed casing.

Tactilon Dabat is fully stress tested to ensure outstanding performance in real world use, unaffected by daily wear and tear professional users put it through. From easily surviving 200 consecutive one-meter tumbles to MIL STD 810G certification, Dabat sets the standard for durability.

Dabat is also engineered to withstand the elements and works flawlessly in any climate, anywhere in the world. Protected from humidity, salt, dust and solar radiation, it can operate in temperatures ranging from -20°C to +60° and survive even more extreme temperatures in storage. Dabat is fully protected against complete immersion in water in compliance with IP67, as well as dust and water jets in compliance with IP65.



Secure

Airbus is a trusted provider of highly secure communication solutions with a long standing commitment to total protection for any threat model.

Hard on the outside, tough on the inside

Airbus Tactilon Dabat is a hardened Android smartphone that follows best practices set forth by European national cybersecurity agencies. It is engineered to withstand attacks by most sophisticated adversaries. Dabat is designed to meet the security standards required to transmit classified information of level III, EU/NATO Restricted and level IV, EU/NATO CONFIDENTIAL.

The firmware for Tactilon Dabat is developed in a secure environment in a European facility with an Airbus-controlled supply chain. All firmware updates are signed by Airbus and fully controlled by the customer.

Encrypted communication and beyond

Communication is protected from interception with the transportation layer always encrypted with AES or other customized algorithm and IP connections made exclusively over a VPN. All third party professional applications are digitally signed using a certificate provided by Airbus.

Wi-Fi networks and Bluetooth accessories as well as profiles for USB accessories can be whitelisted to prevent unauthorized access through these interfaces.

Even physical possession of the device by an adversary doesn't lead to compromised security. All data stored on the device is encrypted, with mission critical TETRA architecture and PMR data isolated on a dedicated hardware module. Secure boot prevents use of the device if the bootloader has been tampered with. Remote deactivation guarantees that rogue devices never pose a security risk.







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