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A dSPACE Cybersecurity Brand

HydraProbe Mobile

HydraProbe Mobile is a compact, **smartphone-based remote testing device** designed for today's dynamic vehicle security workflows. Executing the HydraVision Security Test Environment on a Pinephone Pro™, it connects **directly to the car's network via OBD2 interface**.

Security engineers can **configure test sequences remotely**, allowing field personnel to **execute them on-site** - without needing technical expertise. This makes HydraProbe Mobile ideal for distributed teams, forensic investigations, and production line QA.

Features:

- **Remote Testing, Anywhere:** HydraProbe Mobile enables full-vehicle tests without the tester being physically present. The mobile device acts as a secure, remote probe, executing preconfigured tasks on-site.
- **HydraVision on Pinephone Pro™:** Our complete Security Test Environment runs on the Pinephone Pro™, offering a full suite of automotive security tools in a portable, field-ready format.
- **OBD2 Interface:** HydraProbe Mobile connects directly to the full vehicle network, supporting broad ECU coverage and diagnostics via a robust OBD2 interface with CANFD support.
- **Delegated Test Execution:** Security professionals configure tests remotely. Field users - colleagues, partners, or first responders - can run them with one tap and no technical expertise or setup effort.
- **Secure Communication:** All data exchange between HydraProbe Mobile and HydraVision is encrypted to protect test integrity, sensitive diagnostics, and logs during transmission.
- **Offline Operation with Sync:** Supports offline execution. Test results are stored locally and synced later, making it ideal for remote, air-gapped, or mobile deployment environments.
- **Made for Real-World Teams:** HydraProbe Mobile separates test design from execution, enabling efficient collaboration between central security teams and field operators across industries.

Benefits:

Remote Test Execution
Run scans without being near the vehicle.

One-Tap Test Execution
No training needed to start a test, making delegation easy.

Offline Capable
Data is stored until you regain internet connection

Field-Ready
Can be easily integrated into every corporate workflow

Technical Specifications

- SoC: Rockchip RK3399S, 2x Cortex-A72 + 4x Cortex-A53 @ 1.5GHz
- RAM: 4GB LPDDR4 @ 800MHz
- Internal Storage: 128GB eMMC, expandable via microSD (up to 2TB)
- LCD Panel: 6.0" IPS, 1440×720, Gorilla Glass 4
- Modem: Quectel EG25-G, LTE Cat 4 (global band)
- WiFi & Bluetooth: Wi-Fi 802.11ac, Bluetooth 5.0
- Connectivity: USB-C, OBD2 Port w/ CANFD support
- Battery: 3000 mAh removable Li-Po, 15W
- Dimensions (LxBxH): 161 x 77 x 11 mm
- Weight: 215 g + 75 g Adapter

Security Testing, simplified.

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