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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 Google Pixel™ 10a, 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: Google Tensor G4, Titan M2 security coprocessor
- RAM: 8GB
- Internal Storage: 128GB
- LCD Panel: 6.3" pOLED, 1080 × 2424, 60–120 Hz, Gorilla Glass 7i
- Modem: 5G Sub-6 GHz, LTE/4G
- WiFi & Bluetooth: Wi-Fi 6E, Bluetooth 6.0
- Connectivity: USB-C, OBD2 Port w/ CANFD support
- Battery: 5100 mAh Li-Ion, non-removable
- Dimensions (LxBxH): 153.9 × 73.0 × 9.0 mm
- Weight: 183 g + 75 g Adapter

Security Testing, simplified.

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