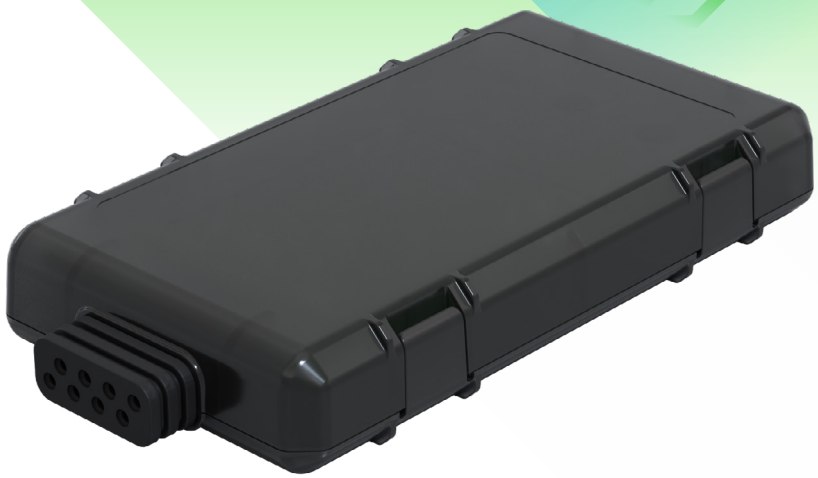
XFV-100

Scriptable Fleet Telematics
Vehicle/Asset Tracker



FAQs

1. What is the XFV-100 vehicle tracker?

A hardwired, scriptable fleet telematics platform for scalable track-and-trace. It pairs enterprise-grade edge architecture with a low-cost footprint, delivering strong vehicle visibility, rich I/O, and custom automation without complex factory firmware updates.

2. What types of assets is the XFV-100 best suited for?

Powered vehicles and equipment on 12/24 VDC systems. Ideal for high-volume deployments: light-duty and commercial fleets, rental vehicles, dealer inventory, and secondary powered assets needing continuous tracking and edge logic.

3. How does the XFV-100 differ from OBD-II plug-in trackers?

OBD-II trackers are easily unplugged and lack external inputs. The XFV-100 is a tamper-proof, covert hardwired install with rich I/O (relays, 1-Wire), making it better for fleet security, theft recovery, and automation. An optional OBD Y-harness lets installers source power from the OBD port covertly.

4. What are the power requirements, and does it have a backup battery?

It runs on 9–31 VDC (native 12/24 VDC) and includes a rechargeable 210 mAh Li-Ion backup battery with NTC thermal protection, ensuring “last-gasp” disconnect alerts if power is cut or tampered with.

5. How durable is the XFV-100 in the field?

Built for real-world fleets, operating from -25°C to +60°C (-13°F to 140°F). Standard IP54 enclosure, with an optional IP67 variant for dust-tight environment with protection against temporary immersion, and a UL 94 V-0 flammability rating for engine bays.

6. How is the XFV-100 installed?

Fast and discreet. The ultra-slim 14.4 mm profile hides behind trim panels or under dashboards using VHB tape or cable-tie grooves. Wiring is flexible: standard flying leads for direct-to-battery installs, or an optional OBD-II Y-harness for plug-and-play integration without cutting factory wires.

7. What is the difference between the 5-wire and 8-wire variants?

The 5-wire variants (XFV-101 and XFV-103) handle standard, rapid track-and-trace with power, ignition sensing, and basic I/O. The 8-wire variants (XFV-102 and XFV-104) add a digital output and a 1-Wire data bus, enabling iButton driver authentication and wired temperature sensing.

8. What sets the XFV-100 apart from standard budget trackers?

- **True edge scripting:** The only device in its class with a custom scripting engine, so you can deploy custom logic and event triggers over-the-air.
- **Cloud-agnostic architecture:** Dual MQTT brokers (AWS and Azure) eliminate vendor lock-in and cut backend integration costs.
- **Wireless/wired sensor hub:** Bluetooth 5.4 LE plus a dedicated 1-Wire interface for total integration flexibility, from wireless BLE temperature pucks, door sensors, and ID tags to wired driver-ID keys and heavy-duty temperature probes.