

HMI SOLUTIONS FOR AUTOMOTIVE APPLICATIONS



Interact Beyond Limits, Multi-Modal, Infinite Possibilities.



iLab's automotive HMI (Human-Machine Interface) offers a variety of functional modules, creating diverse operational scenarios. Drivers and passengers can interact with dashboards and center displays of various sizes and performance levels through lightweight and precise PCAP (Projected Capacitive) touch technology. The HAPTICS FEEDBACK mechanism, implemented on touchscreens or buttons, provides real-time confirmation of user inputs. The GESTURE control feature simplifies many manual operations, making them instant, convenient, and efficient. Additionally, these control devices are highly waterproof, ensuring no accidental triggers from liquid spills.

Features :

- **Touch, HAPTICS FEEDBACK, and AIR GESTURE** expand control across various scenarios.
- Seamless integration with existing vehicle computer systems through universal I/O.
- Operates on **Windows** and multiple versions of **Linux**.
- Open-platform development environment for custom software development.
- Software designed for **multi-vehicle compatibility, safety-first modes, and personalized, privacy-focused features**.
- Easily adaptable to sophisticated, high-precision design aesthetics.
- Enhances the **versatility and convenience** of human-machine interaction.

Please refer to the relevant module specifications :

※ iBT CONTROL BOARD	※ iBH HAPTICS	※ iBG GESTURE
iBTPS-1104	iBH534	iBG535E22
iBT85738	iBHMQ672100D	iBG5241201
iBT87644	iBHMQ401000D	
iBT54220	iBG GESTURE	