

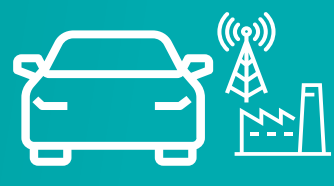


Technology That Makes More Sense

Semtech's PerSe (Person Sensing) technology is for every connected device and all human interface applications. PerSe smart sensors monitor for human presence, providing rapid response for desired functions, making smart devices smarter.

PerSe improves connectivity in wireless devices by optimizing the RF power for best performance in smartphones, tablets and laptops (including 5G/Wi-Fi 7 applications), while maintaining stringent global safety compliance.

PerSe elevates user experience by enhancing human contact/interaction, providing auto-on/off/gesture features in wearables as well as advanced HMI control for automotive and industrial applications.



PerSe is human first

semtech.com/PerSe





Intelligent detection makes your smart devices smarter - better performance, more intuitive with greater efficiency.

PRODUCT PORTFOLIO

PerSe Connect

- SAR Sensor
- Optimize 5G/Wi-Fi Connectivity in Mobile Devices

PerSe Contact

- Human Sensor
- Enhance User Contact/Interaction in Wearables

PerSe Control

- Touch/Proximity Sensor
- Enable Interactive Control in Automotive/Industrial Applications

KEY PRODUCT FEATURES

- Best-in-class sensing performance with exceptionally high signal-to-noise ratio
 - Device can be designed with longer detection distance or smaller sensor area
- Single or multi-channel sensor inputs (depending on platform selection)
- Semtech patented Smart Engine intelligently senses human presence (most platforms)
- Robust detection with advanced temperature compensation
- Automatic calibration
- Ultra-low power consumption
- I2C/I3C Serial Interface
- Operating temperature (-40* to +105*C)
- Compact footprint



PerSe datasheets are available for download at [semtech.com](https://www.semtech.com)



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