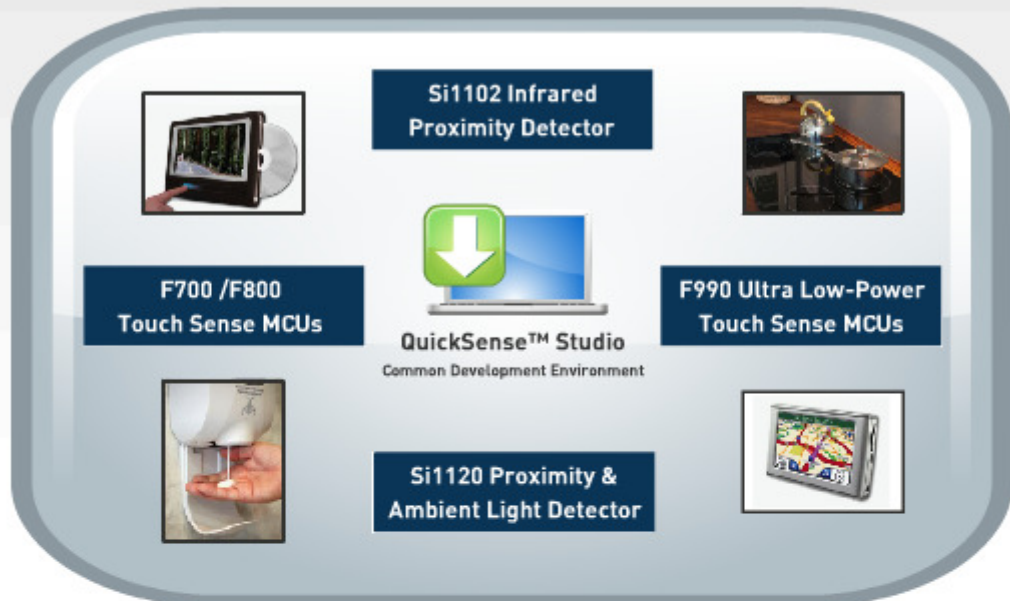


QuickSense™ Family of Human Interface Solutions

The Silicon Labs QuickSense™ family of mixed-signal IC products offers a unique portfolio of the industry's fastest capacitive touch sense MCUs and optical sensor solutions to enable sophisticated user interfaces in electronics products, all supported with the innovative and easy to use [QuickSense Studio](#) development platform.



User Interface Solutions

The QuickSense portfolio of capacitive touch sense MCUs and ambient light and proximity sensor ICs features touch and touchless user interface solutions, including the innovative [touchless slider](#) which can detect complex gestures. Developers will find reliable and responsive UI products including:

- Capacitive buttons
- Capacitive sliders and wheels
- Capacitive proximity sensing
- Infrared proximity sensing
- Ambient light sensing

Device Families

The QuickSense family includes the following devices:

- [C8051F7xx capacitive touch sense MCU family](#)
- [C8051F8xx capacitive touch sense MCU family](#)
- [C8051F99x ultra low power capacitive touch sense MCU family](#)
- [Si1102 infrared proximity sensor IC](#)
- [Si1120 infrared proximity and ambient light sensor IC](#)

QuickSense Development Tools

Silicon Labs offers complete tools to help designers throughout the entire project cycle. Both the infrared and capacitive sensing solutions include hardware and software platforms to easily set up and configure, compile and debug a project.

- [QuickSense evaluation and development kits](#)
- [QuickSense Development Studio](#)
- [Other software](#)

Human Interface Applications

Optimized for power efficiency, the QuickSense Si1102 proximity sensor ICs and Si1120 proximity and ambient light sensor ICs enable touchless human interface sensing with superior detection range. These sensors are ideal for applications that can benefit from system power savings, tamper detection/proofing, motion sensing and gesture interpretation.



When paired with the [C8051F700](#), [C8051F800](#) and [C8051F99x](#) capacitive touch sense microcontrollers (MCUs), the QuickSense family of products enables smart motion sensing, giving designers a complete array of human interface technologies to improve the end-user experience.