

# Touch Solutions for All Your Needs



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## Innovate With Capacitive Touch

Add value and advanced features, increase customer appeal and improve your product's performance and reliability. We offer touch solutions for every use case, and our easy-to-use development tools and global technical support team will help get your product to market quickly.

We can help you implement innovative Human-Machine Interfaces (HMIs) with:

- Buttons, sliders, wheels
- Touchpads
- Touchscreens

## Focus Markets and Applications

### Automotive

- Door handles, steering wheels, user interface touch buttons
- In-vehicle central information display with Knob-on-Display™ technology
- Information clusters on two-wheeled vehicles

### Consumer

- Audio headsets/earbuds
- Gaming equipment
- Virtual Reality (VR) headsets

### Home Appliances/Automation

- User interfaces for white goods and small appliances
- Sensing of liquid levels
- Thermostats, lighting control and other smart home systems

### Medical

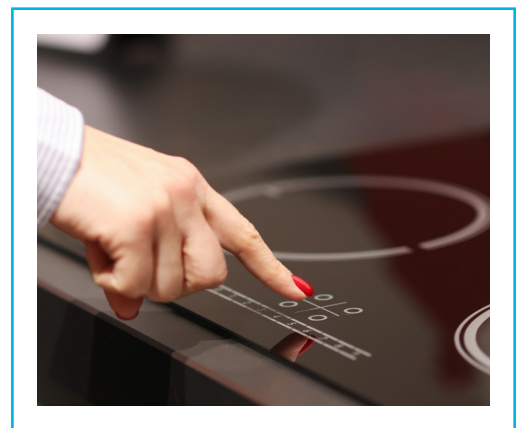
- Intelligent patient monitors
- Ultrasound machine displays
- Mammography displays

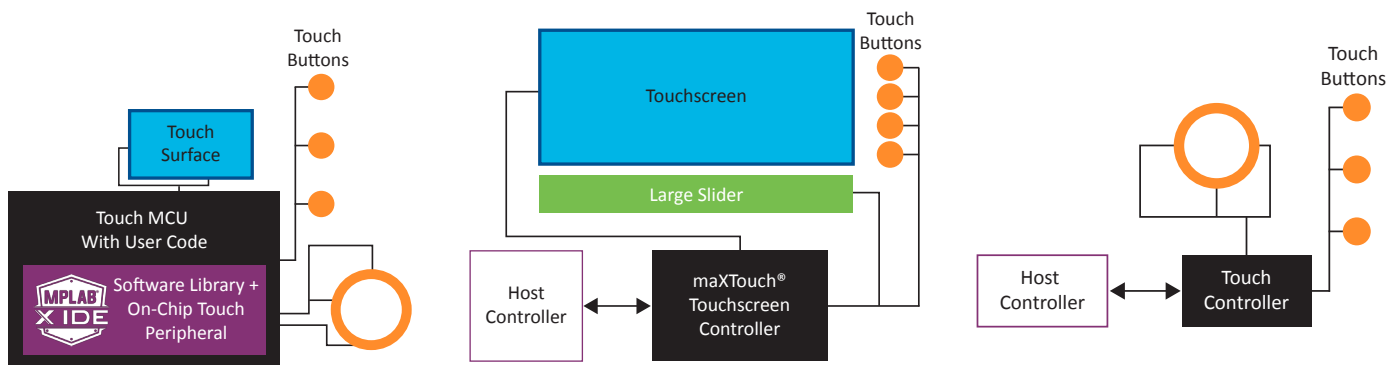
### Point-of-Sale Payment Terminals

- Restaurant payment readers
- Retail store payment systems

### Unattended Payment Terminals

- Public EV chargers
- Parking meters
- Public transportation ticketing terminals





## Touch Library Solutions

- Integrated in a wide range of PIC®, AVR® and SAM microcontrollers (MCUs) and dsPIC® Digital Signal Controllers (DSCs) with dedicated on-chip touch peripherals
- Robust operation with superior noise immunity and water tolerance
- Easy-to-use touch code configurator tools that speed up development time
- Unified tool ecosystem that supports all our MCUs and DSCs

## maXTouch® Touchscreen Controllers

- High-performance dedicated controllers
- Pre-programmed firmware
- Support for screen sizes up to 45"
- Simple Graphical User Interface (GUI)-based configuration tool to tune the controller and monitor touch signals

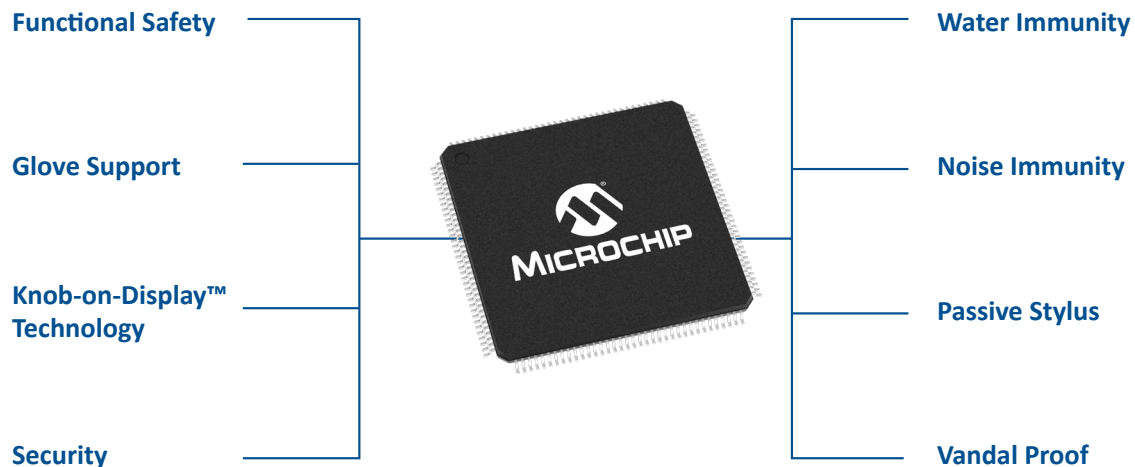
## Turnkey Touch Controllers

- Plug-and-play solution for implementing robust and water-tolerant touch
- Solutions for buttons, sliders, wheels and proximity
- Variety of host communication protocol options
- Touch visualization tools for easy tuning and monitoring of touch signals

## Key Benefits

### Switch to Our Touch Solutions

Our products are extremely well suited to meet modern design challenges such as moisture, functional safety, security, mitigating electrical/display noise, reducing power consumption, supporting functional safety requirements, implementing touch in wet environments and supporting gloved-finger operation.





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