



Industrial Capacitive Keypad with USB & Bluetooth

Key Highlights

- Industrial Capacitive Keypad with USB & Bluetooth
- USB and Bluetooth connectivity with multi-OS compatibility
- Wide voltage and temperature range for industrial use
- Multi-gesture support with low power consumption

Keetronics Capacitive Keypads combine advanced capacitive sensing technology with durable industrial design to deliver precise, responsive, and reliable human machine interface solutions.

Unlike conventional mechanical keypads that rely on physical switch contacts, capacitive keypads detect input through changes in capacitance when a user's finger interacts with the touch surface. This non-mechanical sensing method reduces wear and increases operational life while maintaining smooth and accurate response.

Designed in an industry-standard laptop-size format, the keypad supports both USB and bluetooth interfaces. USB ensures universal plug-and-play compatability across operating systems, while Bluetooth v4.2 enables wireless connectivity for modern workspaces and mobile platforms including Windows, Mac, Linux and Android systems.

With an operating voltage range of 1.8V to 5.5V and a temperature toelrance from -40°C to 85°C, Keetronice capacitive keypads are engineered for reliable performance in demanding industrial and medical environments. Low power consumption makes them suitable for embedded and portable systems.

Advanced gesture detection features enable intuitive interactions such as left click, right click, double click, drag, scrolling and zoom functions. The keypad also includes onboard mechanical button connectors for left and right click operations and jumper settings for interface selections between USB and Bluetooth.

These capacitive keypads are widely used in medical devices where hygiene and easy cleaning are critical in industrial machinery exposed to contaminants, and in modern consumer electronics requiring sleek and responsive touch interfaces.

Keetronics continues to innovate in capacitive touch technology, focusing on improved durability, responsiveness, and customization to meet global industry standards.

Technical Specification

Interface Options	USB/Bluetooth v4.2
Interface Selection	Jumper-based USB or Bluetooth selection
Operating System Support (USB)	Windows, Mac, Linux (Plug & Play)
Operating System Support (Bluetooth)	Windows 8 & above, Mac, Linux, Android
Operating Voltage	1.8V to 5.5V
Operating Temperature Range	-40°C to 85°C
Power Consumption	Low Power Design
Form Factor	Industry Standard Laptop Size
Gesture Detection	1-Finger and 2-Finger Gesture Support
Mechanical Support	Onboard Mechanical Button Connector for left & right click
Application Areas	Medical Devices Industrial Machinery Consumer Electronics Embedded Systems