Touch Keypad Phidget

For a seamless user input solution that differs from the ordinary pushbutton, try the Touch Keypad Phidget. It works like a smartphone’s touchscreen, sensing the change in capacitance as you finger comes near. As such, you can place the Touch Keypad Phidget behind up to 3mm of glass or plastic, allowing you to enclose the hardware to make the panel child-friendly and aesthetically pleasing. The HIN1000 connects to a port on a **VINT Hub**. See the “Comaptible Products” tab for a list of hubs.

Features

With seven capacitive touch regions, you can assign different functions to each with events in our API. You can also detect the proximity of a finger before contact is made, and you can adjust the sensitivity to improve performance in your application. If an object stays on a region for sixty seconds, the board will recalibrate and ignore that object until it is removed. This feature prevents regions from being locked by unintentional objects like dirt or debris.

Product Specifications

Sensor Properties	
Controlled By	VINT
Calibration Time	45 s
Sampling Interval Max	1 s/sample
Sampling Interval Min	25 ms/sample
Detecting Distance Max	5 mm
Electrical Properties	
Current Consumption Max	* 3.6 mA
Current Consumption Min	50 ?¼A
Physical Properties	
Operating Temperature Min	-40 ?°C

Operating Temperature Max	85 ?°C

* Current consumption varies with data interval. See the technical section of the user guide for details.