

# 16x Isolated Digital Input Phidget



If you need to read a whole bunch of logic-level signals, this input module adds sixteen active-high digital inputs using just one port on your **VINT Hub**. They're also more resilient than a VINT port running in digital input mode, able to withstand up to 30V. Whether you're reading buttons, switches, or logic-level outputs from other devices, this module offers the most efficient use of your VINT ports.

## **Isolated for Stability**

The VINT port on this board is electrically isolated from the digital inputs, preventing instability from ground loops. Each input is also isolated from one another, cutting down on cross-channel interference.

## Product Specifications

### Board Properties

Controlled By VINT

### Electrical Properties

Current Consumption Min 100  $\mu$ A

Current Consumption Max 8 mA

### Digital Inputs

Number of Digital Inputs 16

Low Voltage Max (False) 1.3 V DC

High Voltage Min (True) 2.5 V DC

Low Voltage Trigger Length Min 0.2 ms

High Voltage Trigger Length Min 0.05 ms

Digital Input Voltage Max 30 V DC

Digital Input Current 2.5 mA

Digital Input Type Powered

### Physical Properties

Recommended Wire Size 16 – 26 AWG

Operating Temperature Min -40  $^{\circ}$ C

Operating Temperature Max 85  $^{\circ}$ C