

# 4x Digital Input Phidget



If you need to expand the number of digital inputs on your VINT Hub, this module provides four extra inputs at minimal cost. Switches, buttons, or any device with a logic-level output can be read by these inputs. The DAQ1200 connects to a port on a **VINT Hub**. See the “compatible products” tab for a list of hubs.

## **Other Options**

If you need isolation, compatibility with higher voltages, or more digital inputs per VINT port, have a look at the “Other Digital Inputs” tab for more options. If you plan on counting pulses on a high-frequency signal (faster than 500 Hz) or to measure pulses shorter than 2ms in length, you’ll want to use one of our specialized frequency counter Phidgets instead.

## Product Specifications

### Board Properties

|               |      |
|---------------|------|
| Controlled By | VINT |
|---------------|------|

### Electrical Properties

|                         |                    |
|-------------------------|--------------------|
| Current Consumption Min | 27 $\frac{1}{4}$ A |
| Current Consumption Max | * 2 mA             |

### Digital Inputs

|                                 |          |
|---------------------------------|----------|
| Number of Digital Inputs        | 4        |
| Digital Input Voltage Max       | 5 V DC   |
| Low Voltage Max (True)          | 1.5 V DC |
| High Voltage Min (False)        | 3.5 V DC |
| Low Voltage Trigger Length Min  | 2 ms     |
| High Voltage Trigger Length Min | 2 ms     |

### Physical Properties

|                           |           |
|---------------------------|-----------|
| Recommended Wire Size     | 16-26 AWG |
| Operating Temperature Min | -40 °C    |
| Operating Temperature Max | 85 °C     |

\* Note: Current consumption is equal to 27 $\mu$ A plus 500 $\mu$ A for each digital input that is grounded.

