

4x Isolated Digital Input Phidget



Looking to add some serious digital inputs to your VINT Hub? This module has four active-high digital inputs ideal for reading switches, buttons, digital sensors, and other devices with a logic-level output. Each input can withstand up to 30V from the devices it's connected to, and they trigger faster than ordinary VINT digital inputs, making it more likely to trigger from very brief changes.

Isolated for Stability

The VINT port on this board is isolated from the digital inputs, improving stability by removing unintentional ground loops from the system. Each input is also isolated from one another, reducing the amount of cross-channel interference.

Other Options

If you need a module with more isolated digital inputs per VINT port, or if you want a simpler, more cost effective solution, have a look at the Connection & Compatibility tab.

Product Specifications

Board Properties

Controlled By	VINT
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Electrical Properties

Current Consumption Min	28 μ A
Current Consumption Max	2.8 mA

Digital Inputs

Number of Digital Inputs	4
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 Current Max	* 4.5 mA
Digital Input Voltage Max	30 V DC

Physical Properties

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

*Note: This value varies with input voltage. See the technical section of the User Guide for more information.

