12bit Voltage Output Phidget

This board does exactly what it says on the box: It outputs a voltage between 0 and 4.2V with 1mV resolution. Many industrial controllers expect an analog voltage as an input signal, and this Phidget will bridge this communication gap. It will also launch a warning event if it fails to deliver the voltage you've selected (for instance, when the attached device is drawing too much current). This board is the fastest, most efficient, and most economical choice for voltage output. The OUT1000 connects to a port on a **VINT Hub**. See the "Comaptible Products" tab for a list of hubs.

Other Options

If you need higher resolution, electrical isolation, or if you need to produce both positive and negative voltage, take a look at the "Other Voltage Outputs" section.

Product Specifications

Board Properties	
Controlled By	VINT
Electrical Properties	
Current Consumption Min	15 µA
Current Consumption Max	load + 2.1 mA
Current Sourcing	varies*
Current Sinking	varies*
Voltage Outputs	
Number of Voltage Outputs	1
Voltage Output Max	4.2 V DC
Output Voltage Resolution	(12-bit) 1 mV DC
Voltage Output Noise	± 150 µV DC
Physical Properties	
Recommended Wire Size	16 – 26 AWG
Operating Temperature Min	-40 °C
Operating Temperature Max	85 °C

* Current sourcing and sinking capability varies based on selected output voltage. Please visit the technical section of the User Guide for details.