

For Immediate Release

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Phidgets adds a Single Board Computer to its family of Interface boards, sensors and relays.

Connect the PhidgetSBC via Ethernet or Wi-Fi.

CALGARY, Alberta, September 28, 2009 — Phidgets Inc. released today the 1070 – PhidgetSBC. The PhidgetSBC is a fully functional Single Board Computer with an integrated PhidgetInterfaceKit 8/8/8. At its most basic, it can be thought of as a Phidget that you connect using a network cable instead of directly to the USB. The PhidgetSBC also provides four USB full-speed ports that allow you to use normal USB Phidgets over its network connection. This can extend the effective range of a Phidget from USB's maximum of 15 feet, to anywhere that your network reaches.

“For more advanced users, the PhidgetSBC is an embedded computer that runs Linux. We provide full shell access via a built-in SSH server, full GCC and development tools, the GDB debugger, and all of the standard command line tools expected on a modern Linux system. This allows for on-board development in C, and full access to the system for customizing.” says Chester Fitchett, CEO of Phidgets.

The PhidgetSBC exposes an easy to use interface for setting up and running custom applications on-board, written in either Java or C. This allows the PhidgetSBC to operate autonomously, without the need for a graphical interface or a remote connection at all times.

An integrated PhidgetInterfaceKit 8/8/8 allows you to connect devices to any of 8 analog inputs, 8 digital inputs and 8 digital outputs. It provides a generic, convenient way to interface your PC and PhidgetSBC with a wide variety of devices and it operates exactly the same way as an external PhidgetInterfaceKit.

Product Specifications (SBC)

CPU Speed: 266MHz

Nand Size: 64MB

SDRAM: 64MB

Boot time: 30-60 seconds

Ethernet: 10/100baseT

USB: 4-Port Full Speed

Power Input: 6-15VDC

Power Consumption: 1.2 watt base/w Ethernet

Per additional USB device¹: 2.5 watt

Wireless USB Dongle: 802.11b/g

¹including the PhidgetInterfaceKit

Product Specifications (PhidgetInterfaceKit 8/8/8)

Analog Input Impedance: 900K ohms

Analog Input 5V Reference Error: max 0.5%

Digital Output Series Resistance: 300 ohms

Digital Input Pull-Up Resistance: 15K ohms

Analog Input Update Rate: ~65 samples/second

Digital Output Update Rate: ~125 samples/second

Digital Input Update Rate: ~125 samples/second

Digital Input Recommended Wire Size: 16-26 AWG

Digital Output Recommended Wire Size: 16-26 AWG

Digital Input Wire Stripping: 6-6mm strip

USB Power Current Specification: Max 500mA

Quiescent Current Specification: 13mA

Available External Current (source): 487mA

Digital Input Maximum Voltage: $\pm 15V$

Software Environment

“Unlike a lot of our competitor’s products that require their users to write some firmware code in order to use their sensor, we are completely “Plug and Play” says Bernard Rousseau, Director of Marketing. “With Phidgets, you plug it in and start using it and when it comes to programming, the user, not us, decides which operating system and which computer

language he wants to use. This still holds true with the 1070 which can be remotely controlled using any of the operating systems, and languages that we support.”, added Rousseau.

Users can program Phidgets using a simple yet powerful and well documented Application Programming Interface (API) that is supported under Windows (2000, XP, Vista), Windows CE, Mac OS X, and Linux. Users can write programs in Visual Basic, VB.NET, C#, C/C++, Flash/Flex, Java, Labview, Matlab, ActionScript 3.0, and Cocoa.

Phidgets also provides programming examples for all its products to help programmers write their own programs. The API Libraries as well as the examples and the documentation are available at no charge on www.Phidgets.com.

Pricing and Availability

The 1070 - PhidgetSBC is available now. The suggested resale price is \$265.00 Canadian.

About Phidgets

Phidgets, Inc. is a technology leader in the design and manufacture of low-cost control and sensing modules connected to personal computers through the USB port. Phidgets products are ideally suited for fast prototyping. The privately held company is based in Calgary, Alberta, Canada.

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