Gumstix® Launches MAV Control Board for Intel® Joule™

New Rapid Path To Production for Drone, Robotic and IoT Pro Makers

REDWOOD CITY, CA. January 19, 2017— Gumstix®, Inc., the leader in design-to-order embedded systems, announced its support for the MAV and IoT markets with the launch of the AeroCore 2 Intel® Joule™ module expansion board and module integration into the Geppetto® Design to Order (D2O) platform.

The AeroCore 2 for Intel® Joule™ module expansion board priced at $179.00 can be purchased at gumstix.com. The AeroCore 2 can also be instantly copied, customized and ordered online in Geppetto® D2O. With these additions, Intel designers can rapidly design and manufacture small form-factor expansion boards for their drone, robotics and IoT devices. This new board expands the Gumstix AeroCore 2 series which includes the AeroCore 2 for the DragonBoard 410C, Gumstix Overo and Gumstix DuOvero.

Featuring an ARM Cortex-M4 microcontroller running NuttX RTOS and an integrated connection to the Intel® Joule™ module, this new AeroCore 2 gives users complete Linux or Windows IoT installations on a PX4-compatible platform.

With the inclusion of the NimbeLink Skywire LTE modem, the AeroCore 2 for Intel® Joule™ module is a powerful platform for MAV projects requiring a remote high-speed LTE connection for texting and data streaming. This is also the first AeroCore 2 to include USB 3.0 and micro-HDMI. The addition of USB 3.0 brings next-gen devices, such as Intel's own RealSense cameras to the AeroCore 2 ecosystem.

The 9-axis internal measurement unit, along with an altimeter, monitored in real time by the embedded ARM M4 microcontroller, combined with optional geopositioning with the GPS connector, provides accurate positional feedback.

"We created Gumstix to give robot enthusiasts powerful software development platforms," says Gordon Kruberg, Gumstix CEO, "The expansion of the AeroCore 2 series and the integration of Linux® and Windows® capable modules like the Intel® Joule™ module into Geppetto® D2O is core to our mission to provide innovators the fastest, most versatile, path to production for their ideas."

The AeroCore 2 for Intel® Joule™ module can be customized in minutes to specific design requirements in Geppetto® D2O, a free online tool. During the design process, users can compare alternatives for features and costs, create multiple projects, and share ideas and go straight from a design to an order in one session. Complete custom BSPs and documentation are available with orders and production quality boards are shipped in 15 business days. Gumstix engineers verify all Geppetto-manufactured devices before shipping. The initial total manufacturing cost is $1999 with reduced rates for quantity discounts and repeat board spins. Gumstix products and quantity discounts are available at the Gumstix online store.

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About Gumstix, Inc.

As a global leader in design-to-order hardware and manufacturing solutions. Gumstix® gives its customers the power to solve their electronic design challenges with Geppetto® D2O -- the online design-to-order system-- and a broad portfolio of small computers and embedded boards. In addition to engineers and industrial designers, Gumstix® helps students, educators, and makers unlock their creative ideas to bring them to market. Since pioneering the concept of an extremely small computer-on-module (COM) with a full implementation of Linux in 2003, the company has grown to support over 20,000 diverse customers. Gumstix systems have launched some of the world's coolest products - from phones to drones - on commercial, university, and hobbyist workbenches in over 45 countries. For more information, visit www.gumstix.com