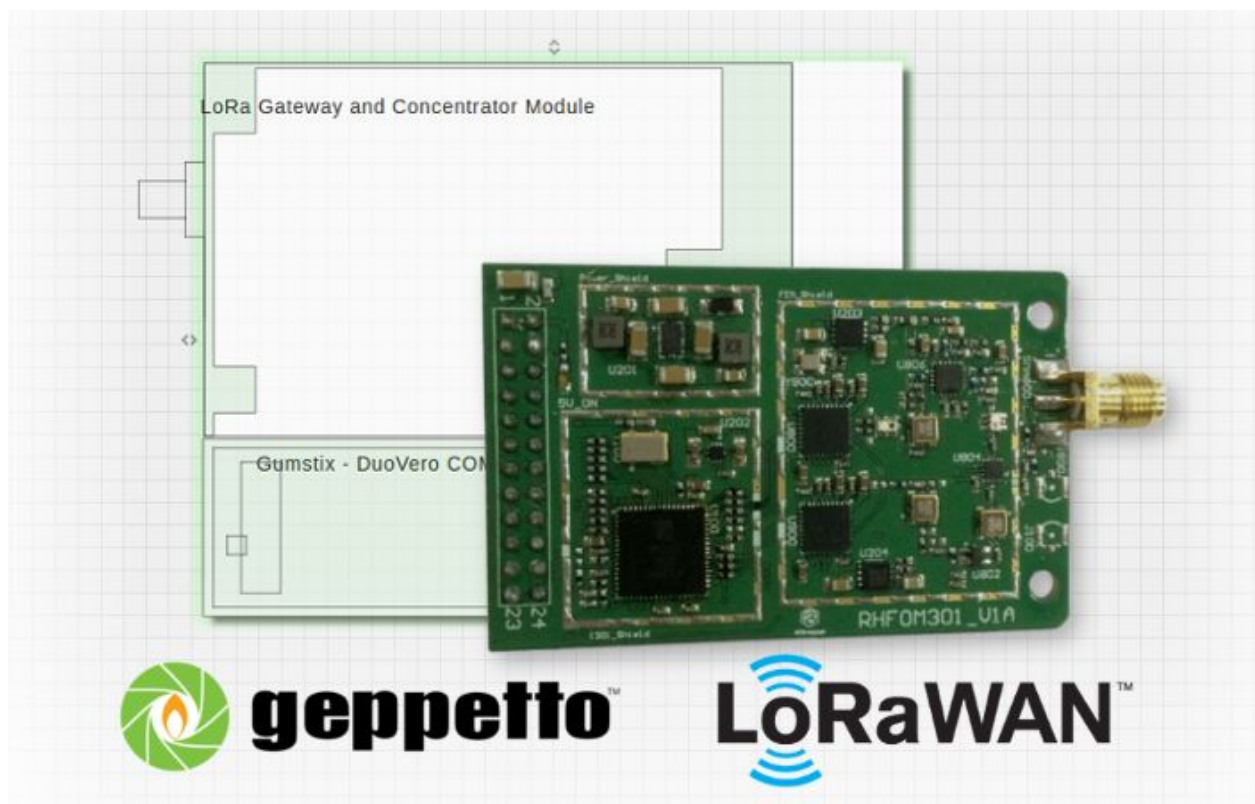




## Gumstix® Launches LoRa® Hardware Solution

Rapid online IoT hardware design and manufacturing for Gateways and Nodes



REDWOOD CITY, CA. August 3, 2017— Gumstix®, Inc., the leader in design-to-order embedded systems, announces three new modules in Geppetto for custom **LoRa®** device designs and a suite of Gumstix hardware to support **LoRaWAN™**, a Low Power Wide Area Network (LPWAN).

In [Geppetto® D2O platform](#), IoT designers can design and order gateway and node hardware with any SoC, network connection, and hardware feature they choose in minutes. During the design process, users can compare alternatives for features and costs, create multiple projects and receive complete custom BSPs and free automated documentation on demand with all



saved designs. Designers are able to go straight from a design to an order in one session with no engineering required.

**LoRa Transceiver Geppetto Module** provides an easy low-power solution for long range wireless data transmission. The advanced command interface offers rapid time to market. IoT applications for this module include automated meter reading, home and building automation, wireless alarm and security systems, and industrial monitoring and control.

**LoRa Gateway and Concentrator Geppetto Module** provides a header for the [RHF0M301 LoRaWAN Gateway](#) module, capable of providing LPWAN with a range of 5 to 15km. The RHF0M301 features long range communications, high stability, and multi channel and multi spread factor receiving. Targeted for designers developing for smart city, wisdom agriculture, metering (water meter, electric meter, or gas meter), or other long range IoT applications. Available in European and American frequency bands.

**Atmel Atmega32U4 Geppetto Module** included on the Gumstix Strata Weather Station Node, is the workhorse behind the Arduino Leonardo and Micro. A low-power Atmel 8-bit AVR RISC-based microcontroller featuring 32KB self-programming flash memory, 2.5KB SRAM, 1KB EEPROM, USB 2.0 full-speed/low speed device, 12-channel 10-bit A/D-converter, and JTAG interface for on-chip-debug.

“We are excited to support the IoT and LoRa market with a complete, low cost, and simple hardware design-to-order platform,” says Gordon Kruberg, Gumstix CEO, “The integration of the The LoRa Gateway and Node modules into Geppetto® D2O is core to our mission: letting innovators take their designs to market as quickly and reliably as possible, while focusing on their own magic, their software application.”

In addition to the Geppetto module release, Gumstix is releasing two new LoRa Gateway Development boards; the [Overo Conduit](#), a palm-sized Ethernet-connected board priced at \$56.00. The [Pi Conduit](#) supporting the Raspberry Pi Compute Module board with Ethernet and a NimbeLink Skywire connector for LTE access priced at \$84.00. Also being released, is a node designed for rugged environments, the [Strata Weather Station](#) with the ATmega microcontroller, LoRa transceiver and environmental sensors priced at \$105.00.

Designers can use the dev boards for prototyping or can copy and modify the boards to create their own custom LoRa gateway or node design in minutes in [Geppetto®-D2O](#). 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](http://www.gumstix.com)