Gumstix® Launches Amazon Alexa Voice Solution for Colibri iMX7

Designed to the AVS Functional Design Guide, the Chatterbox can be deployed as a wake-word or push-button activated Alexa device.

REDWOOD CITY, CA, UNITED STATES, February 27, 2018 /EINPresswire.com/ -- Gumstix® Inc., the leader in design-to-order embedded systems, announces the release of the Gumstix Chatterbox for the Colibri iMX7, a development board for Amazon's Alexa Voice Service (AVS), along with a new Toradex Colibri iMX7 Computer on Module (CoM) connector module in Geppetto®. Both support the Toradex Colibri iMX7, a powerful IoT System on Module (SoM) with an ARM® Cortex-A7 CPU, integrated Cortex-M4 microcontroller and a full complement of features including audio codec, DDR3 RAM and power regulation management.

Designed and built with geppetto™

The Chatterbox simplifies designing AVS wake-word voice devices while reducing cost and accelerating the integration process.

Designed by Gumstix in Geppetto following the AVS Functional Design Guide, the Chatterbox can be deployed as a wake-word or push-button activated Alexa device. The Chatterbox includes a 2.5-Watt speaker driver, on-board microphone and line-in jack for high-quality audio I/O, and WiFi, Bluetooth and Ethernet for connectivity. These features accompany the Toradex Colibri iMX7 module, microSD storage and real-time clock for a complete home companion platform.

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Our goal for Geppetto is to provide the most reliable and fastest path to market for IoT designers. It is a pleasure to collaborate with Toradex to support this flagship AVS platform."

Gordon Kruberg, Gumstix CEO.

The Chatterbox development boards can be used by designers for prototyping or easily copied and modified in Geppetto® D2O to create their own custom iMX7 AVS or IoT design in minutes.

The Colibri iMX7 (Toradex) Geppetto Module is a SO-DIMM connector and support electronics for the Toradex Colibri iMX7 COM featuring the NXP® i.MX 7 Processor at 1.0GHz. The i.MX 7 family of NXP® SoCs is an ideal platform for many embedded and IoT applications. With the Geppetto® D2O platform, IoT designers can now design and order iMX7 hardware with any 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.

"Gumstix provides an excellent service, allowing our customers to get customized carrier boards in a fast and simple way. When using Toradex SoMs, customers profit from free Toradex support and lifetime maintenance for Software and Hardware of the SoM. Toradex is looking forward enabling more of our modules on Gumstix Geppetto" – Daniel Lang CMO, Toradex

Learn more at the joint webinar hosted by Toradex and Gumstix on March 21, 2018.
How to Design and Build Alexa into the Colibri iMX7 and Chatterbox AVS Development Board.
Click here to sign up at
https://www.toradex.com/webinars/how-to-design-and-build-alexa-into-the-colibri-imx7-and-chatterbox-avs-development-board.
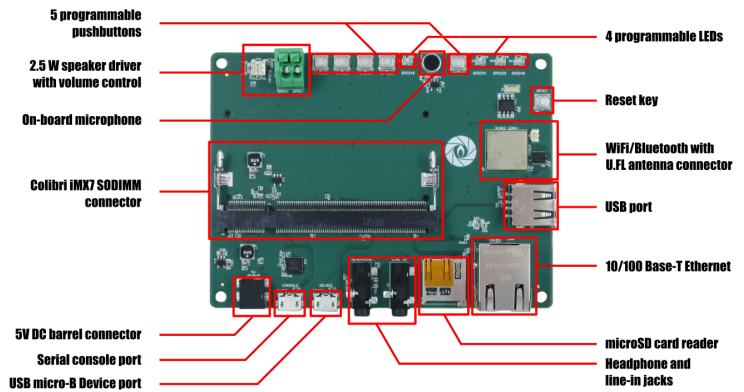
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About Gumstix, Inc.
As a global leader in design-to-order hardware and manufacturing solutions, Gumstix® gives its customers the power to solve their electronic design challenges with Geppetto® D2O -- the online design-to-order system-- and a broad 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
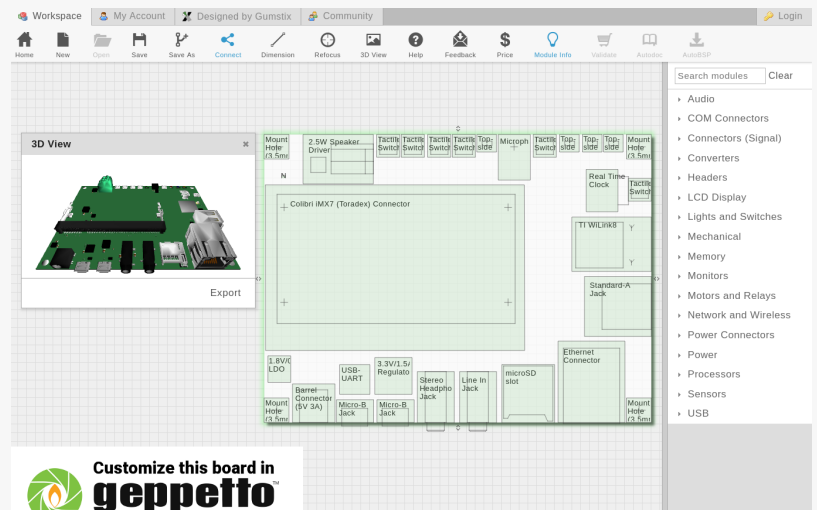
About Toradex:
Toradex is a Switzerland-based company with offices around the world, offering rugged and compact Arm®-based system on modules (SoMs) and customized SBCs. Powered by NVIDIA® Tegra 2, Tegra 3 and Tegra K1 processors, and NXP® i.MX 6, i.MX 7, i.MX 8, and Vybrid, the pin-compatible SoMs offer scalability in terms of price, performance, power consumption and I/O. In addition to direct online

Gumstix Colibri iMX7 Chatterbox
Board Overview

The Chatterbox includes a 2.5-Watt speaker driver, microphone and line-in jack for high-quality audio I/O, and WiFi, Bluetooth and Ethernet for connectivity. Paired with the iMX7 module, microSD and real-time clock for a complete home companion platform.

Build your own AVS or customize Chatterbox to exact specifications in minutes using Geppetto, a free online design to order to platform.

sales and long-term product availability, Toradex offers direct premium support and ex-stock availability with local warehouses. For more information, please visit https://www.toradex.com/

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