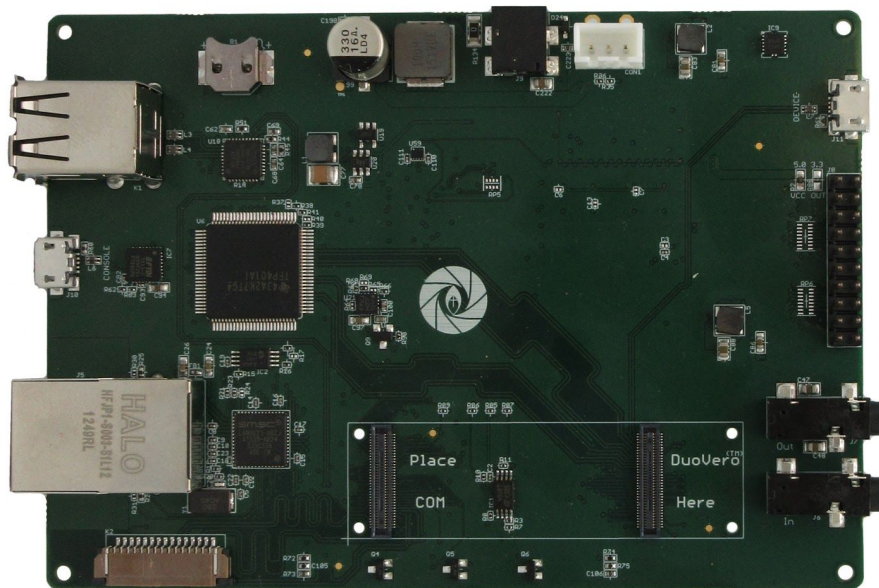# Gumstix Garret 50C, New Multi Capacitive IoT Development Board

Connecting Capacitive Touchscreens and Cameras with DuoVero COMs

REDWOOD CITY, Calif. July 7, 2016— Gumstix, Inc. the leader in design-to-order embedded systems, today announced the Garret 50C expansion board, designed to support the Gumstix DuoVero COMs powered by a dual-core ARM Cortex-A9 with 1GB RAM and booting from an on-board USD card slot.
The Garrett 50C expansion board is ideal for IoT applications, such as home automation control interfaces or handheld device development. Custom designed in the Geppetto™ Design-to-Order tool, the Garret 50C features a parallel RGB touch panel interface that connects to 5.0" NewHaven capacitive multi-touch screen. The prominent connectivity options on this board include a Raspberry Pi CSI2 camera connector, 10/100 Base-T Ethernet jack, stereo audio out, USB Host and USB On-The-Go (OTG).

Garret Expansion Board for DuoVero Designed in Geppetto

The Garret 50C expansion board is a full-featured embedded LAN controller emphasizing performance, flexibility, ease of integration and system cost control.

Garret Key Features:
Serial console connection over USB

Raspberry Pi CSI2 camera connector

Connectors for 5.0" NewHaven Capacitive touch displays

Power connections for both 5.0V wall adapters and LiPo 2-cell balance connector

Real-time clock with backup battery holder

Fast Ethernet connector

Line-in and Line-out Audio Jacks

DuoVero COM connector

Board Dimension 12.0. cm x 8.5 cm

Priced at $139.00

Custom Designed In Geppetto
The Garret 50C, designed online with the [Geppetto Design-to-Order](#) system and placed in the "Designed by Gumstix" Geppetto library, can be cloned and modified to meet custom design requirements. Exchange the 5.0" LCD connector for the 7.0", add WiFi or LTE connectivity or strip it down to the bare essentials. Geppetto designs can be created online in a day and shipped production ready in 15 business days.

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. Our 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

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