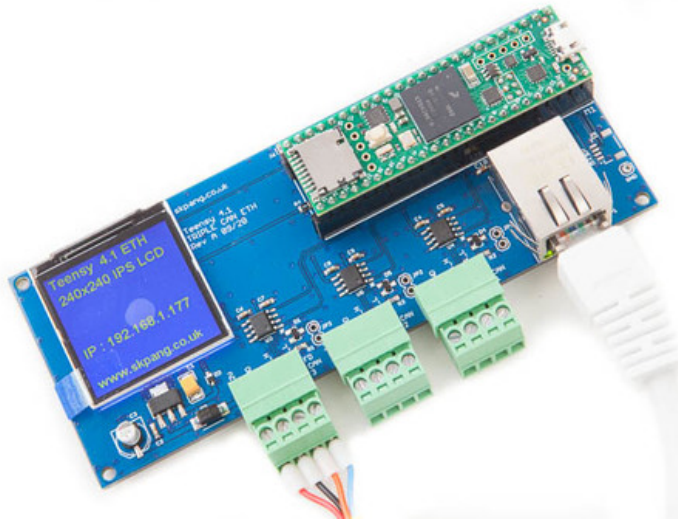




## **Arduino Based CAN Bus, LIN Bus, Ethernet Development And Prototyping Boards For Automotive And Industrial Applications**



*Copperhill Technologies offers a line of Arduino-compatible boards designed to provide maximum I/O capabilities, backed up by a slew of fully featured software libraries designed to run on Arduino. The interfaces include USB, Classical CAN, CAN FD, LIN Bus, and Ethernet.*

**GREENFIELD, Mass. - Sept. 29, 2020 - [PRLog](#)** -- The Teensy series of embedded systems represents a complete USB-based microcontroller development environment in a minimum footprint, and it is suitable to implement many types of projects. The programming is accomplished via the USB port, using the popular Arduino IDE (Integrated Development Environment). Consequently, the Teensy boards are fully compatible with Arduino Software & Libraries.

Most programs that are written for the Arduino will work on the Teensy. All of the standard Arduino functionality (digitalWrite, pinMode, analogRead, etc.) works on the Teensy platform. Teensy has the same built-in peripherals as the Arduino: analog inputs, SPI, I2C, PWM, and a real serial port. For applications that need the serial port (MIDI, GPS modules, etc.), Teensy is very easy to use because uploading takes place through the USB port.

All of the Copperhill Teensy breakout boards are designed for projects that require Local Interconnect Network (LIN Bus), Controller Area Network (CAN Bus), CAN FD, SAE J1939, or Ethernet.

The [Teensy 3.2 CAN Bus And LIN Bus Breakout Board](#) serves as a gateway device for automotive applications to monitor CAN and LIN Bus data traffic or as a bridge between these two technologies.

The [Teensy 3.6 CAN and CAN FD Breakout Board](#) can serve as a bridge between Classical CAN and CAN FD, providing true compatibility between two generations of CAN Bus networks.

The [Teensy 4.0 Triple CAN Bus Breakout Board](#) supplies two Classical CAN 2.0B, and one CAN FD

interface for the communication between several CAN Bus networks. An extended version, the [Teensy 4.1 Triple CAN Bus Breakout Board](#), also provides an Ethernet port, which opens the door to applications for the Internet of Things (IoT).

Most of the [Copperhill Teensy series boards](#) come with TFT LCD, SD card support, Real-Time Clock (RTC), and onboard voltage regulators with reverse supply voltage protection. All boards and their corresponding interfaces are well documented (user manuals, schematics), and a vast library of programming samples supports the development and rapid prototyping of automotive and industrial applications

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