MoCo Maker Labs Launches Fipsy FPGA V2 – A DIY Learning Aid for Makers and Educators

**Montgomery County, Maryland – March 2025** – MoCo Maker Labs, a leading DIY tech community, is thrilled to announce the launch of the **Fipsy FPGA V2** on Kickstarter. This upgraded **Field-Programmable Gate Array (FPGA) board** is designed to make learning and experimenting with FPGA technology more accessible for hobbyists, self-paced learners, and educators.

### **A Learning Tool Built for DIY Makers**

FPGAs allow users to rewire logic circuits at the hardware level, providing incredible flexibility for projects ranging from **basic digital circuits to HDMI video processing**. However, many FPGA boards are either too expensive, lack documentation, or are not designed for learning. The **Fipsy FPGA V2** solves this problem by offering an **affordable, open-source, and beginner-friendly** FPGA board with extensive learning resources.

*"We’re building the FPGA board we wished we had while learning about FPGAs,"* said the MoCo Maker Labs team. *"Our goal is to make FPGA education accessible, empowering makers with hands-on experience in modern hardware design."*

### **Key Features of the Fipsy FPGA V2**

* **Five times the capacity** of the original Fipsy FPGA, featuring **1280 programmable logic cells (LUTs)**
* **HDMI-ready**, allowing users to build video processing and signal manipulation projects
* **Designed for rapid prototyping**, compatible with breadboards and programmable via **ESP32, Arduino, and Raspberry Pi**
* **Non-volatile memory**, ensuring designs remain intact after reboot
* **Fully open-source**, with free design tools and extensive learning materials
* **Low cost**, making FPGA experimentation accessible for all learners

### **Why Back This Project?**

The **Kickstarter campaign** will fund an initial supply of **DIY-friendly FPGA boards**, ensuring affordable access to future makers. MoCo Maker Labs will reinvest proceeds into additional production runs, keeping FPGA technology within reach for beginners and enthusiasts alike.

Backers will also benefit from extensive educational materials, including **step-by-step guides, example projects, and advanced training sequences**, all designed to help users **bridge the gap from microcontrollers to programmable hardware design**.

### **About MoCo Maker Labs**

MoCo Maker Labs is a **DIY tech community in Montgomery County, Maryland**, dedicated to open-source hardware, hands-on learning, and supporting makers in their tech education journeys. With over 1,800 members, the group fosters **innovation, skill-sharing, and accessible technology development**.

### **Join the FPGA Learning Revolution**

To support the **Fipsy FPGA V2** and help bring affordable FPGA education to more people, visit the **Kickstarter campaign** today. For more information, visit [www.fipsyfpga.com](http://www.fipsyfpga.com) or contact **info@fipsyfpga.com**.