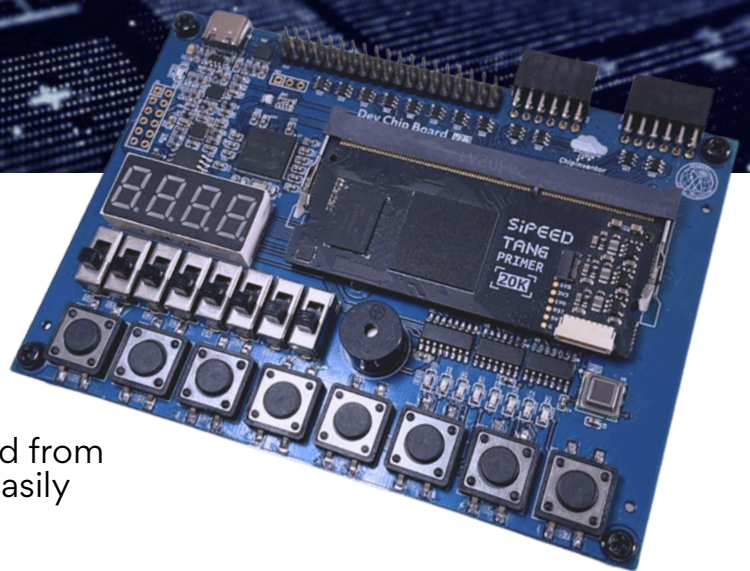# Making your chip project a reality!

Aiming to provide a complete environment for everyone to learn about FPGAs and semiconductor design, we have developed the ChipInventor DevChipBoard.
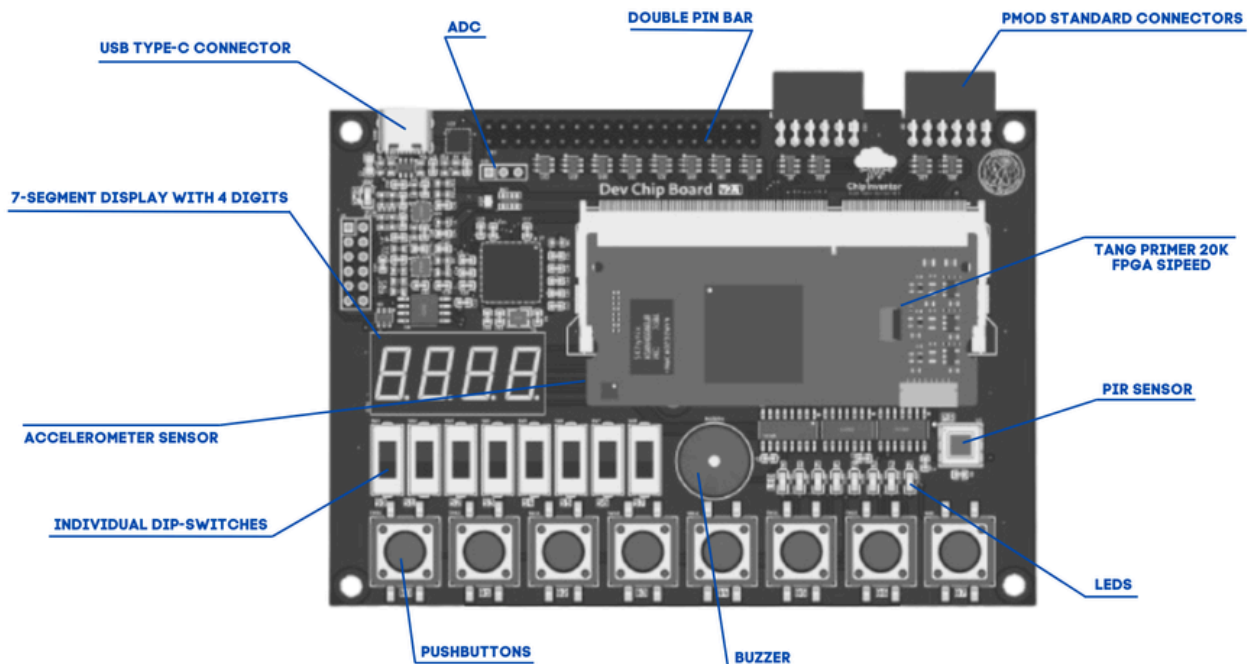
At its core, the affordable and well-documented TangPrimer 20k FPGA board from SiPeed offers 20736 logic units that will easily accomodate medium projects.

Features

It provides pre-made connections and support circuitry for a plethora for the most used sensors and peripherals available on the market, such as:

- 1x FPGA Tang Primer 20k;
- 1x Integrated Engraving System;
- 8x Push Buttons;
- 8x Colored Leds;

- 8x individual Dip-Switches;
- 1x PIR Presence Sensor;
- 1x Passive Buzzer;
- 1x Accelerometer Sensor:
  - Integrated temperature sensor
  - 3x 10-bit ADC converters

- 1x 7-segment display with 4 digits.
- 2x PMOD standard connectors;
- 1x Double pin bar;
- 1x USB Type-C connector

🔗 **SCHEMATIC**   🔗 **PERIPHERAL SPECIFICATIONS**

Interested?

Access the QR Code for more details about the ChipInventor EDA Platform and how to purchase DevChipBoard v2.2.