Network - Hyperledger Fabric  
 Permissioned blockchain with public key infrastructure

Cryptography Accumulator takes care of membership management

Edge Blockchain (subset of the main blockchain)

IoT devices and computers used for model training are end users

Main Blockchain

IoT Devices -

Device that connects to the block chain network

Machine Learning – Collects and Analyzes Data

Coral USB Accelerator (helps with ML models)

TensorFlow Lite Models (Interacting with Data and ML APIS)

ThingSpeak (Managing & Analyzing Data)

Hyperledger Fabric

Raspberry Pi 4 99.99

<https://www.amazon.com/CanaKit-Raspberry-4GB-Starter-Kit/dp/B07V5JTMV9>

Coral USB Accelerator

<https://coral.ai/products/accelerator/> 59.99

TensorFlow Lite

ThingSpeak

<https://thingspeak.com/prices/thingspeak_home?license_name=Home&country_code=US&number_of_devices=10&intervals=2&interval_type=Minutes> 95.00

HyperledgerFabric provides the network environment to establish a permissioned blockchain with public key infrastructure. Raspberry Pi is a standard IoT device with wifi & bluetooth and is easy to work with. Both TensorFlow Lite and ThingSpeak take care of gathering data and analyzing. Coral USB Accelerator powerful coprocessor that aids in speeding up machine learning models like TensorFlow Lite.