Introducing the Ci40 IoT kit

Let’s make IoT real
Platforms for building, scaling and powering the Internet of Things

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Francois Berder

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Introduction

Ci40 IoT Kit

Kit Demo

Collaboration
team here today

Keno Mario-Ghae

François Berder
A global technology leader

A technology powerhouse for multimedia, processors, communications and cloud IP
Our technology is everywhere
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Ci40 IoT Kit

Kit Demo

Collaboration
MIPS based IoT-in-a-Box

Platform & hub

• All the required building blocks to develop a wireless IoT system
• Including sensors, wireless protocols, IoT gateway, cloud & open source examples

Technologies

• 550MHz Dual-core, dual-thread MIPS CPU
• Ensigma Wi-Fi 802.11 AC 2x2
• BT and BTLE

• Cascoda 802.15.4
• Ethernet
• Cloud connected
Platforms for building, scaling and powering the Internet of Things
Complete Open-source Reference Design Available Now

**EDGE DEVICE**

- **APP**
  - Client
  - CoAP
  - DTLS
  - UDP
  - 6LoWPAN

**HUB**

- **APP**
  - LWM2M Proxy
  - Server
  - Client
  - CoAP
  - DTLS
  - UDP
  - 6LoWPAN
  - TLS
  - TCP/IP
  - Ethernet

**CLOUD**

- **SERVICES**
  - Bootstrap Server
  - LWM2M server
  - CoAP
  - Http
  - DTLS
  - UDP
  - TCP/IP
  - Ethernet

**MOBILE**

- **MOBILE SDK**
  - API
  - Libraries
  - Registration
  - Logging
  - Metrics

协议：
- 802.15.4
- 802.3
Creator Developer Console

Web and desktop application
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Collaboration

Keno Mario-Ghae
Francois Berder
We need your help to put RIOT on MIPS

6LoWPAN Clicker specifications
- 80MHz MIPS-based PIC32MX MCU from Microchip Technology
- CascoDA 802.15.4 radio
- Contiki RTOS
- 6LoWPAN communication
- 2 x AAA batteries for remote operation
We are looking for partners and collaborators.

We have expertise in MIPS

You have expertise in RIOT OS

Working together to create better solutions, faster.
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Let’s Collaborate

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