

The Yanzi Internet of Things DevKit



www.internetyourthings.com

Automated Security



Connect Millions of Users with Billions of Things.

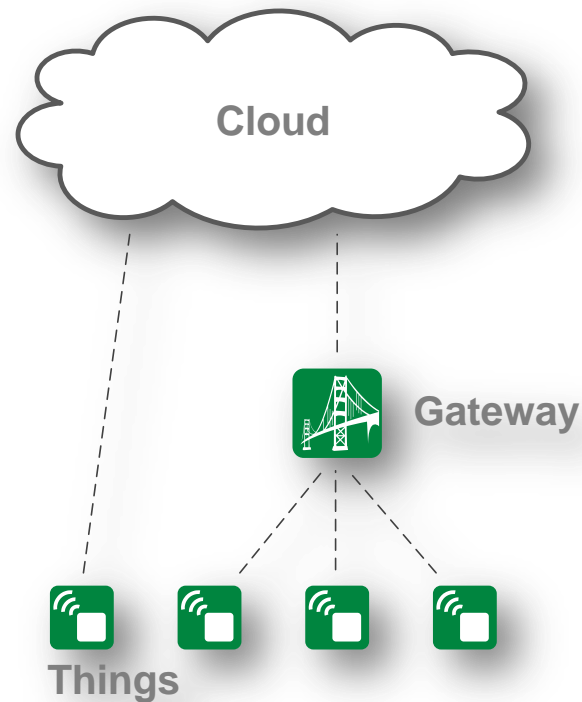


Phone application

Cloud services

Gateway HW & SW

Sensor HW & SW

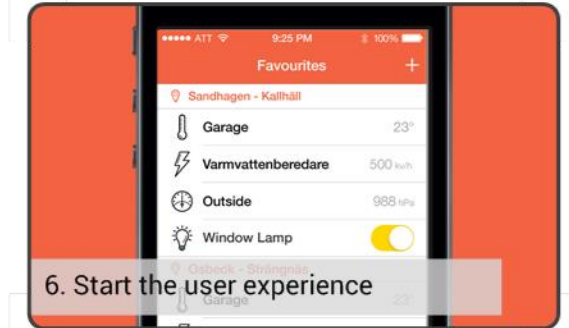
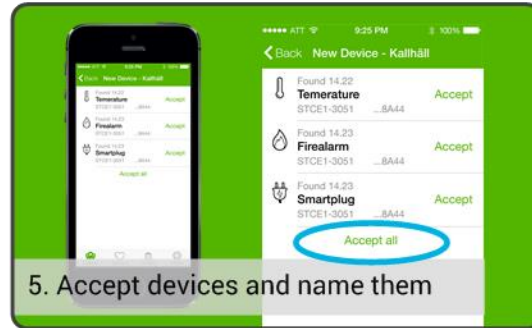


Solution for Consumers and Businesses



- ✓ Self-install
- ✓ Gateway with 3G/4G Internet and device connectivity, storage, data analytics, and UPS. Autonomous operation.
- ✓ Low power IP (IPv6) wireless devices with up to 10 years of battery life.
- ✓ High performance Wi-Fi IP devices for high data rate devices, such as cameras.
- ✓ Remote firmware upgrade for all devices (OTA).

Simple



IP All the Way

Yanzi Gateway Modules

IPv4 / IPv6



3G/LTE



Ethernet



Wi-Fi



802.15.4



Yanzi Sensor Modules

Temperature / Humidity / Energy / Lamp / Camera

IPv4 / IPv6



Ethernet



Wi-Fi



802.15.4

IoT Development Kit

Get started with Internet-of-Things in minutes.

- IPv6 over IEEE 802.15.4
- Integrated products included (SmartPlug and LED Lamp)
- Two “hook up your own sensor” interface boards
 - GPIO, Analog input, I2C, SPI, UART
- Open-source software from SICS (Contiki) and Yanzi
 - OTA upgrade
 - Native boarder router
- Linux environment

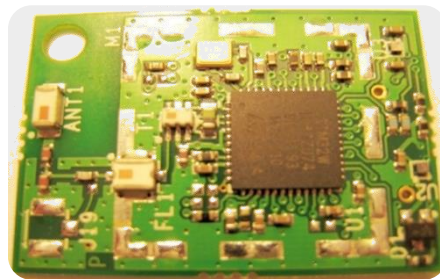


“Hook up your own sensor”

Comosus low cost sensor platform supporting “smart gateway” and “no gateway” cloud model

Software features (out of the box)

- Automatic discovery, UPnP
- Automatic security setup, AES-128 and public key
- IPv6/IPv4
- IPv6 mesh networking
- IPv6 routing based on IETF RPL
- IPv6 Over-the-Air upgrade (256kB FLASH only)
- Dual boot with image checksum verification
- 6LoWPAN
- IEEE 802.15.4 beacon functionality
- Automatic channel and PAN ID assignment and selection
- Sleep capability with 10+ year battery life.



Hardware features

- IEEE 802.15.4 radio at 2.4GHz
- Generic interface selection to address a large market in the default configuration.
- 32-bit ARM Cortex-M3 microcontroller
 - 16kB RAM
 - 256kB FLASH
- Temperature sensor on-board
- Very low power consumption
 - Sleep w/o RTC: 400nA
 - Processor on: 6mA
 - All on including radio: 23mA

Lars Ramfelt

Chief Executive Officer

Phone: +46 8 559 21 440

Email: lars@yanzi.se



Contact Information