AAEON-IQRF Solutions for IoT

Webinar presenters :
Marco Barbato, Product & Technical Director AAEON Europe
Simon Chudoba, CEO IQRF Alliance

Date: September 1st, 2017

AAEON® an ASUS assoc. co.

Marco Barbato
Director of PSM

Simon Chudoba
CEO IQRF Alliance

IQRF® | Alliance

Solutions for IoT

.webinar // Internet of Things

Date and time //

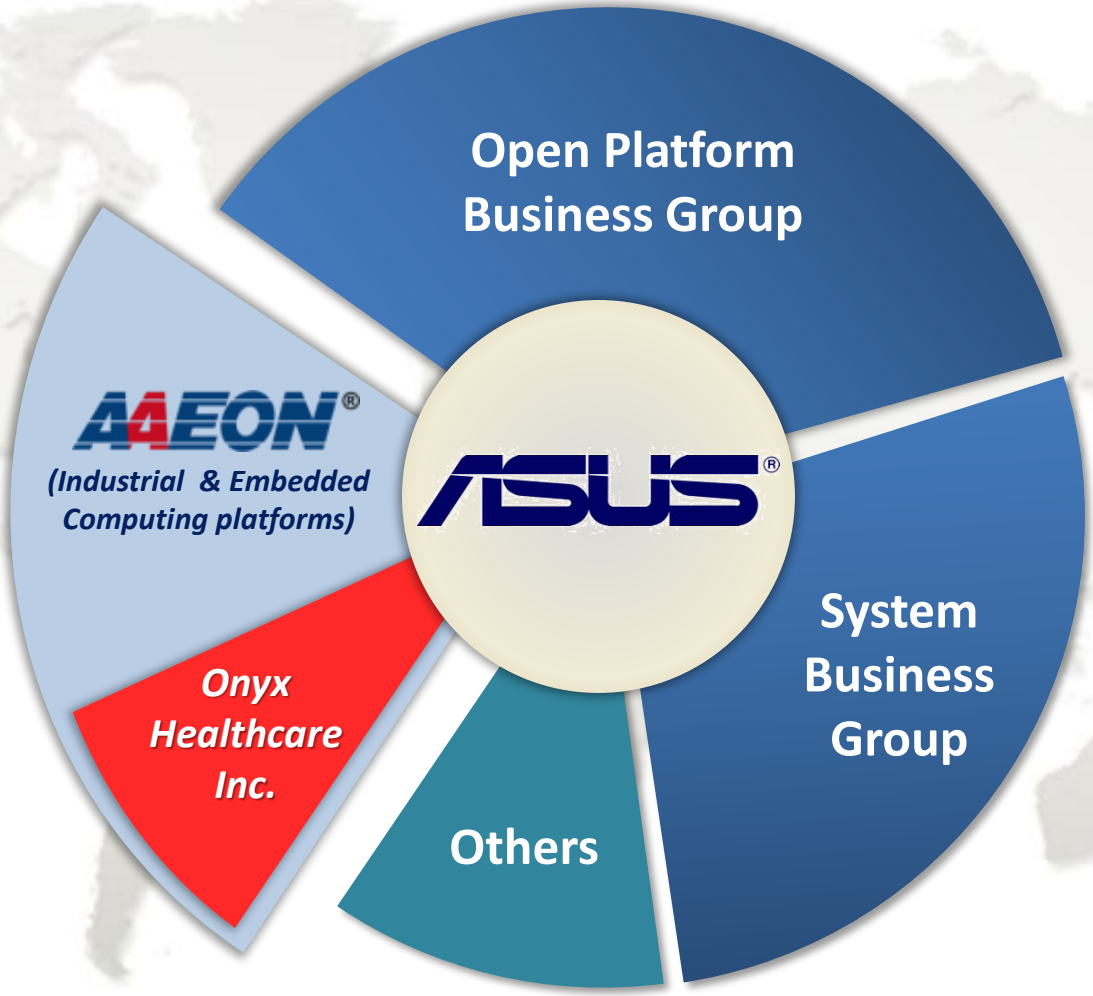
Friday, 1st of September 2017, 14:00 (Amsterdam, GMT +01:00)

Your presenters

ASUS Group

AAEON an ASUS assoc. co.

The Industrial IoT company of ASUS



ASUS Company Profile

ASUSTeK Computer Inc.

Taipei Headquarters

Founded:	April 1, 1989
Capital:	NT$ 7.43bn in 2016 (USD$247.6M)
Chairman:	Jonney Shih
CEO:	Jerry Shen
Employees:	6,743
Location:	TW, China, Global
Revenue:	NT$ 467bn, 2016 Group (USD$15.6bn)
Product:	Motherboard, Notebook and etc.

AAEON Corporate

Company Name: AAEON Technology Inc.

Founded: 1992 (Acquired by ASUS in 2011)

Capital: NT$ 960 million

Employees: 850+

Location: Taipei, Taiwan

Corporate Headquarters

AAEON Worldwide Offices

Headquartered in Taipei, Taiwan, AAEON now has 15 locations worldwide to serve the needs of our global partners

AAEON Product Divisions

ECD	NSD	SPD	IPCBU	DMS	RMD	IIoT
3.5”, 5”, PC-104 SBCs COM Carrier ODM PICMG SBCs	Firewall NVR	Embedded Box PC HMI/Panel PC Industrial display	Industrial Mother Board *(ATX, Mini-ITX, etc.)*	ODM solutions Board&System level Vertical applications	Semi-rugged & Rugged Tablet PC Handheld PC	IIoT Gateways, End Nodes, Devices

Up! Bridge the Gap

IoT Pro Makerts to Industrial

The Idea

=

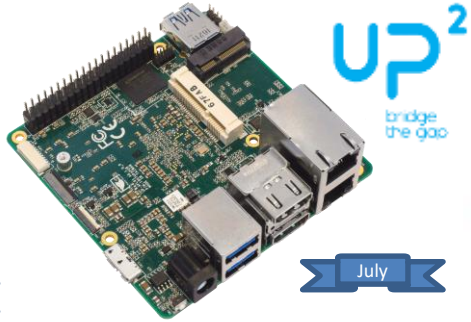
The Most Popular platform for prototyping

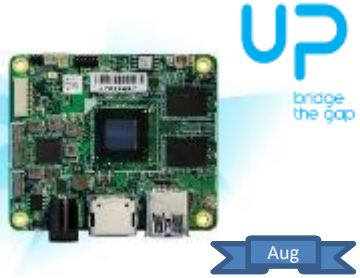
+

+

The Most Scalable Hardware with multi OS Support

Industrial Grade Electronic Manufacturing Process and Components





website

Community

>3000 members

Shop

Ecosystem partners

AAEON Europe - Focus in IoT and IIOT

Intelligent Transportation (IIOT)

Smart Grid & Metering (IIOT)

Retail, Vending & Signage (IOT)

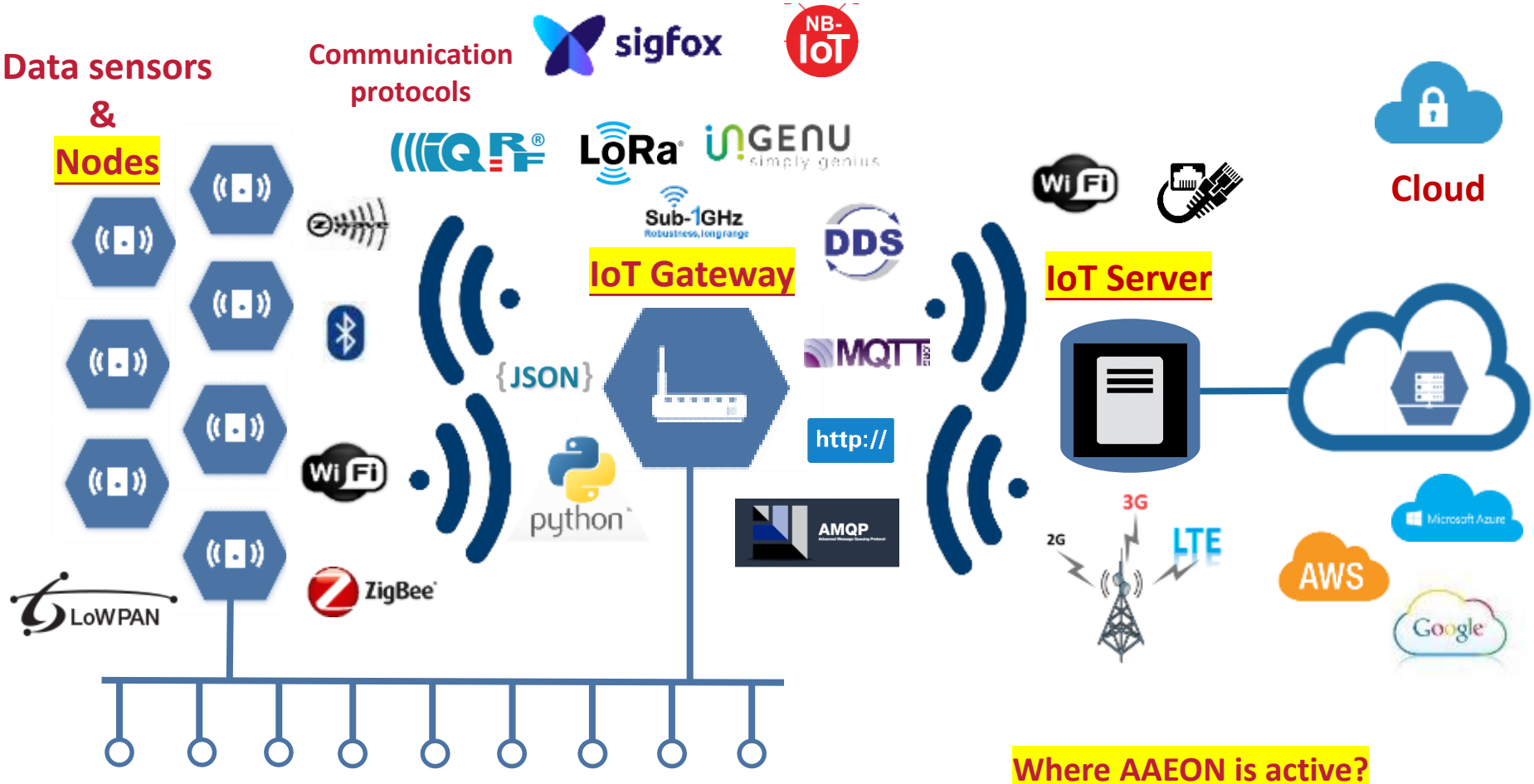
IOT

Building Management & Smart Home (IOT)

Machine Visione & Digital Factory (IIOT)

IoT application pattern

Event detection/Actuation | Collection/Elaboration | Data analysis



AAEON IoT solution offering

Standard solutions

IP68 Outdoor IIoT Gateway

Wi Fi · Lte · IQRF · LoRa

IIoT LoRA Gateway & Network Server

Wi Fi · LoRa

Indoor IoT Gateway

Wi Fi · IQRF · Bluetooth

Automation 3G Gateway

Wi Fi · Lte · Bluetooth · IQRF

Starter kit PoC

IQRF starter kit

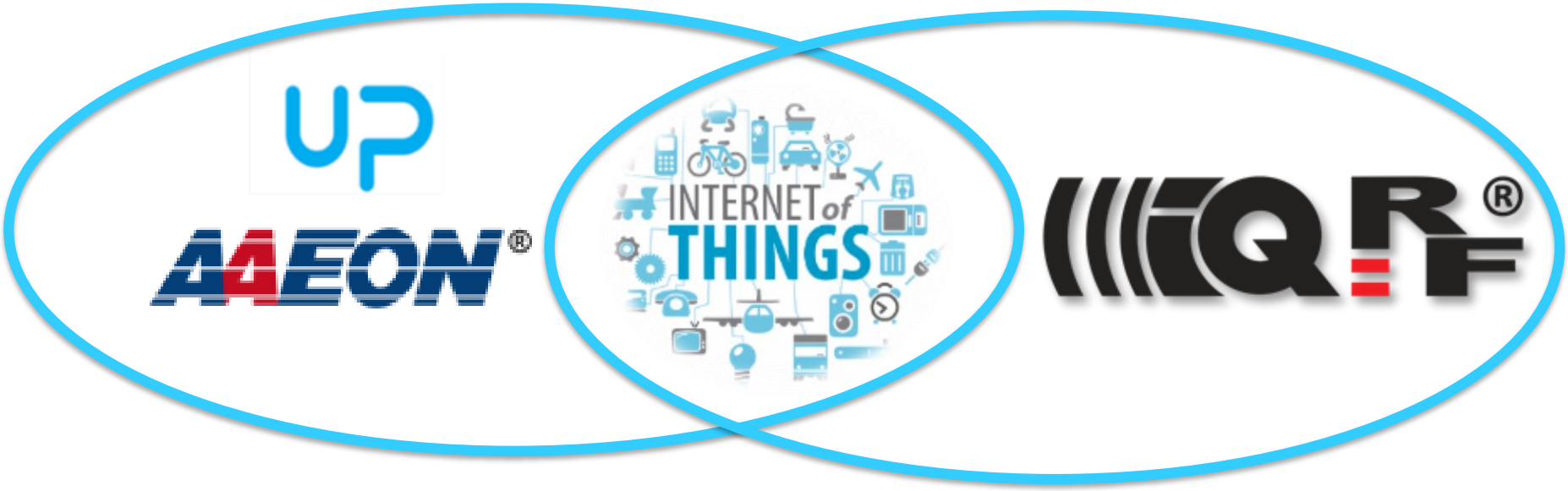
EnOcean starter kit

LoRa starter kit

3G starter kit

Trusted Ecosystem partners (RF, APP, S/I)

Partnering to enable Industrial IoT



Alliance Member

Indoor
Lighting

Building
Automation

Street
Lighting

Logistic

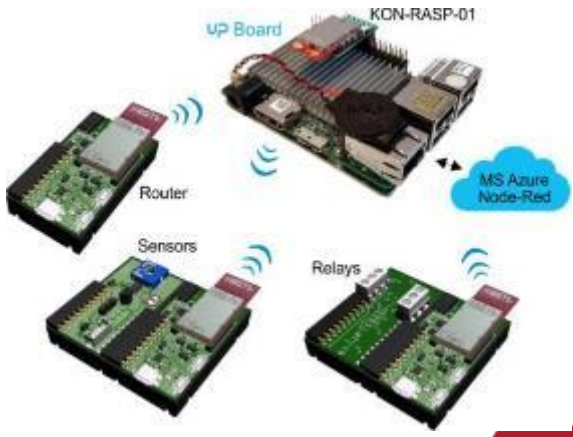
Automation

Intelligent
Parking

IQRF-ready offering

- Fast Prototyping
  - Starter kit based on UP board with transceiver, sensors and all SW supply
  - Reference

    http://iqrfalliance.org/product/iot-starter-kit
  - Release: Ready
  - Where to buy: UP-shop, IQRF shop



IQRF-ready offering

- Indoor Gateway bundle kit
- Elements: UP-GWS01 + GW-USB-06
  - Reference:

    http://iqrfalliance.org/product/gw-usb-06
    http://www.aaeon.com/en/p/tiny-gateway-system-with-upboard
  - Release: ready
  - Where to buy: UP-shop.org and http://iqrf.shop

IQRF-ready offering

- Outdoor Gateway kit
  - Elements: UP-GWS03 + IQRF transceiver
  - Reference: TBD
  - Release: sampling
  - Where to buy: AAEON shop

Additional resources

IQRF Alliance

http://www.iqrfalliance.org/news/142-iqrf-summit-2017-presentations-and-photos

IoT Gateways.eu by AAEON

http://www.industrialgateways.eu

Indoor Ethernet Gateway

Basic entry level solution with powerful Quad Core Intel ATOM

The AAEON Ethernet Gateway is a basic edge computing solution powered by an Intel Quad Core ATOM processor.
It offers Gigabit Ethernet connectivity and USB ports for data collecting and it is easy expandable towards wireless protocols, like Bluetooth, WiFi and LPWAN IQRF.

MORE INFO

LoRa Gateway & Network Server

Indoor Industrial LoRa Certified Gateway and Network Server

The AAEON Industrial Indoor LoRa™ Gateway and Network Server is certified 868MHz solution, 8 channels, powered by Intel ATOM Quad Core processor and the IMST LoRa™ concentrator iC880A (SX1301 processor).
It provides Gigabit Ethernet, multiple USB ports and video output and the option to add WiFi and Bluetooth.

Outdoor Industrial Gateway

IP68 Rugged Industrial Gateway for outdoor applications

AAEON IP68 rugged gateway is designed for any outdoor application.
A powerful Quad Core Intel Apollo Lake ATOM offers high computing capabilities, while its inner structure gives potential expandability towards

Automation 3G Gateway

Industrial automation IoT Gateway with 3G, Serial Port and Analog I/O

This Industrial IoT gateway is aimed to help the transition from legacy to connected automation.
Thanks to its powerful processor and reach I/O set which includes 3G cellular connectivity, 2 Serial ports RS-232/422/485, Analog and Digital IOs, USB and Gigabit Ethernet, this gateway helps to retrofit existing machinery and automation solutions

Upcoming events

See&Touch

IQRF®

Demo

http://www.aaeon.com/en/nc/webinar-information/

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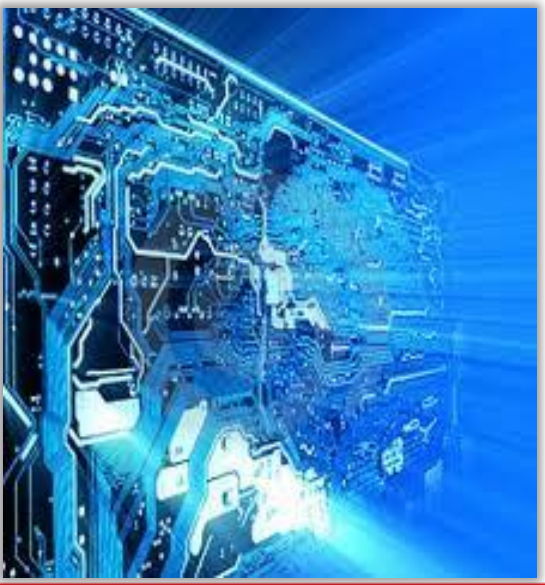

Thanks