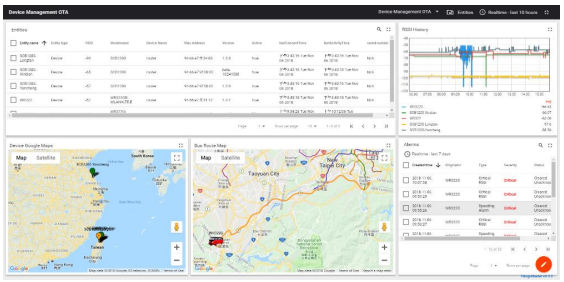
Private Platform for Device Management Over The Air

ThingsMaster OTA by WoMaster is a web-based over-the-air device management solution that provides an intuitive and customizable user interface for setting, monitoring and managing deployed gateway devices without any IT development required. Device management operations such as setting batch device configurations, group reboot, and upgrading firmware ensure you stay up to date with the latest features and security patches. Users can also customize alerts for critical events by using Node-RED-like flow-based programming.

The ThingsMaster OTA service not only features an intuitive user interface to simplify management but also leverages AI machine learning technology to prevent downtime and to recommend maintenance, providing increased managerial productivity and cost-saving benefits.

The ThingsMaster OTA can be installed on a virtual machine, or just a QNAP® NAS (network-attached storage) via APP center download. Events notification can also be sent as SMS, Email, Skype® or Facebook Instant Messenger®, and Push Service in real-time.



ThingsMaster OTA

MQTT

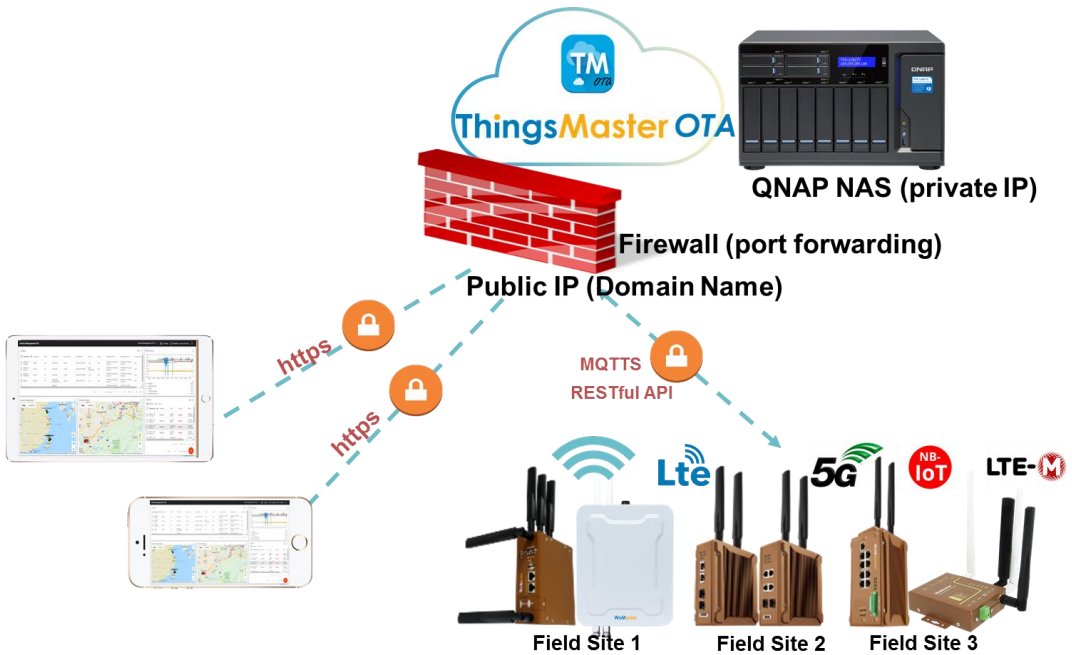
REST API

Features & Benefits

ThingsMaster OTA : Device Management Over-the-Air

- Interactive monitoring dashboard with a map that displays device status, wireless signal strength, and the location of all deployed LTE/5G routers
- MAP shows devices online/offline/warning status in Green/Red/Orange color, respectively
- Supports over-the-air batch device configuration and firmware* update and batch register
- Set alerts on critical events to prevent downtime (i.e. signal strength is too low or temperature is too high)
- Support the latest TLS encryption and X.509 authentication
- Multi-Tenant and Project oriented IoT deployment
- Supports MQTT and RESTful APIs
- Monitor and manage multi-site device real time status*, ex. CPU/RAM/Flash real time usages

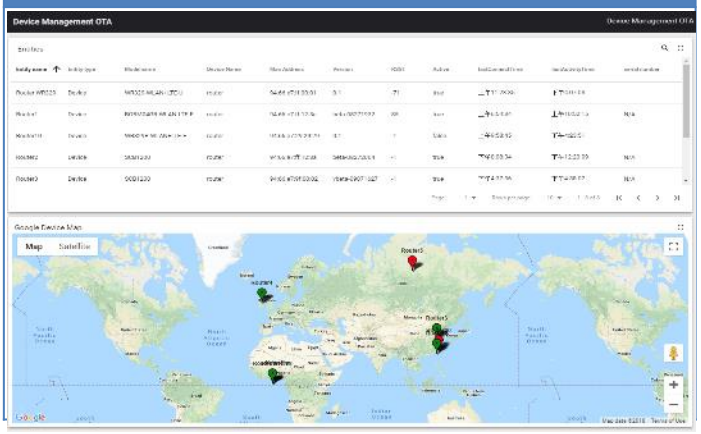
Secure Multi-Sites Management Any Time, Any Where



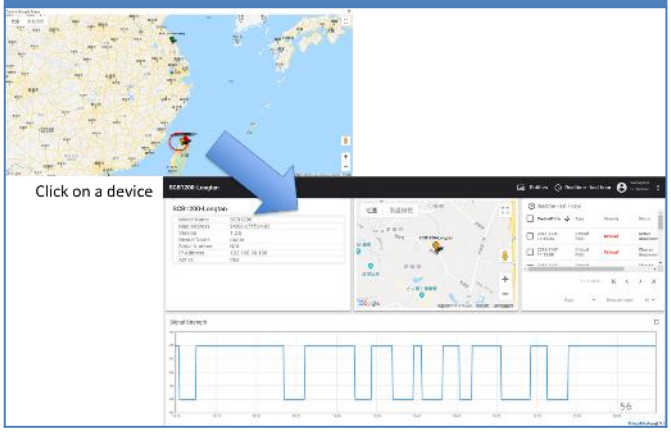
ThingsMaster OTA : Device Management Over-the-Air

- Model name/MAC address/FW version/RSSI/Last Connection Time/Last Activity Time
- MAP shows devices online/offline/Warning status in **Green**/**Red**/**Orange** color, respectively

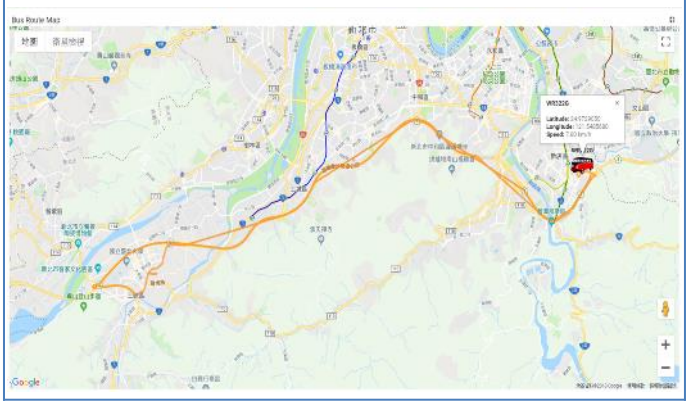
Google/Tencent/OpenStreet/Image Map



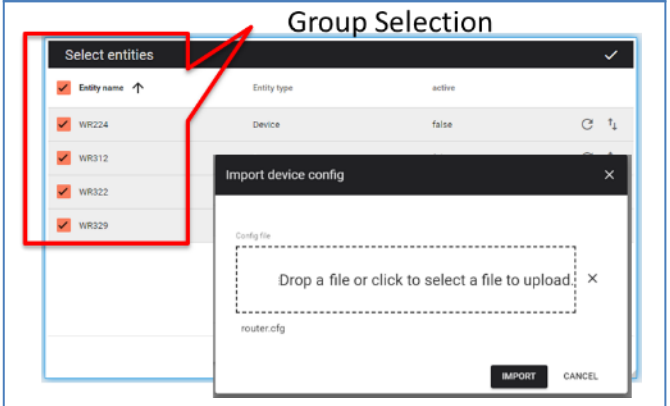
Monitor Device Information



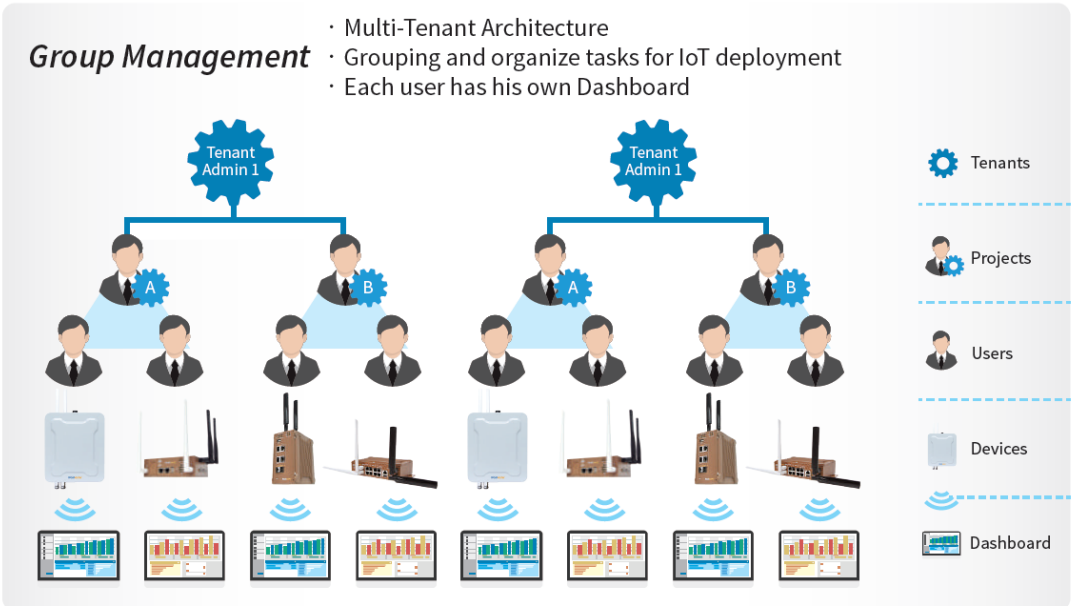
Display device location, route and speed on the Map



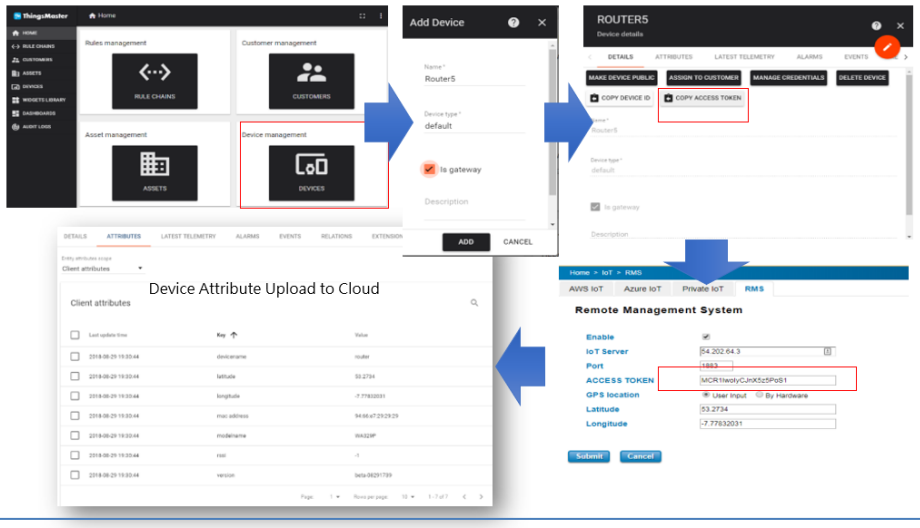
Group Configuration and Reboot OTA



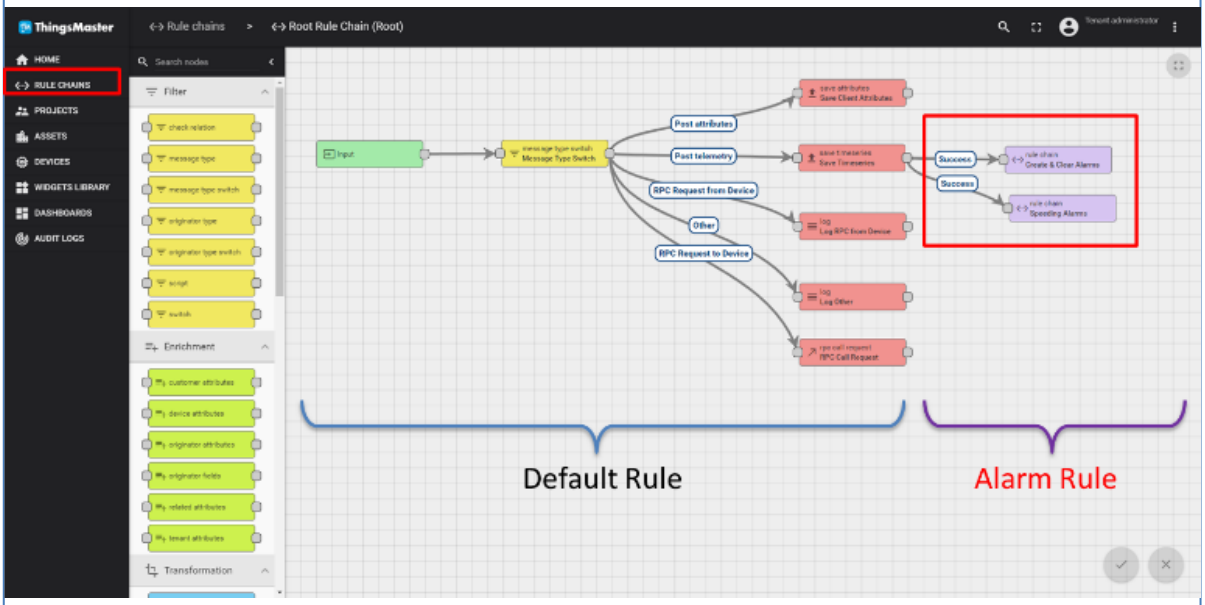
Multi-Tenant and Project-Oriented IoT deployment



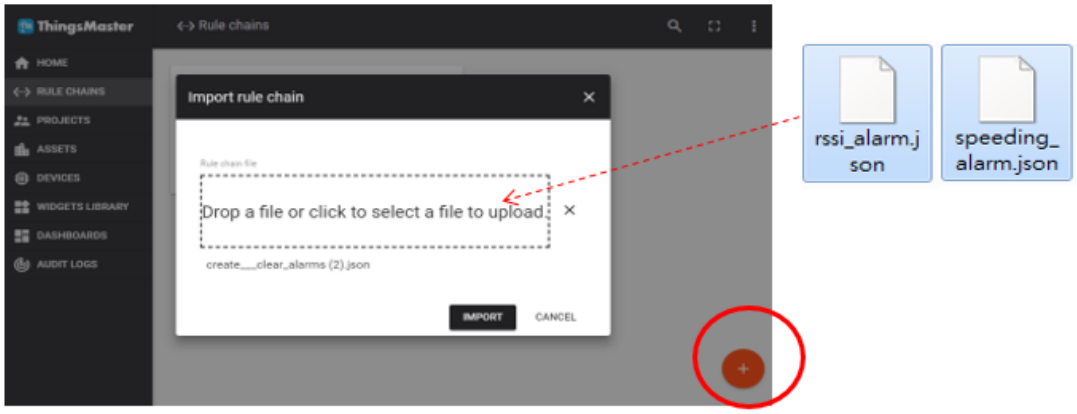
Copy and Paste to add Devices



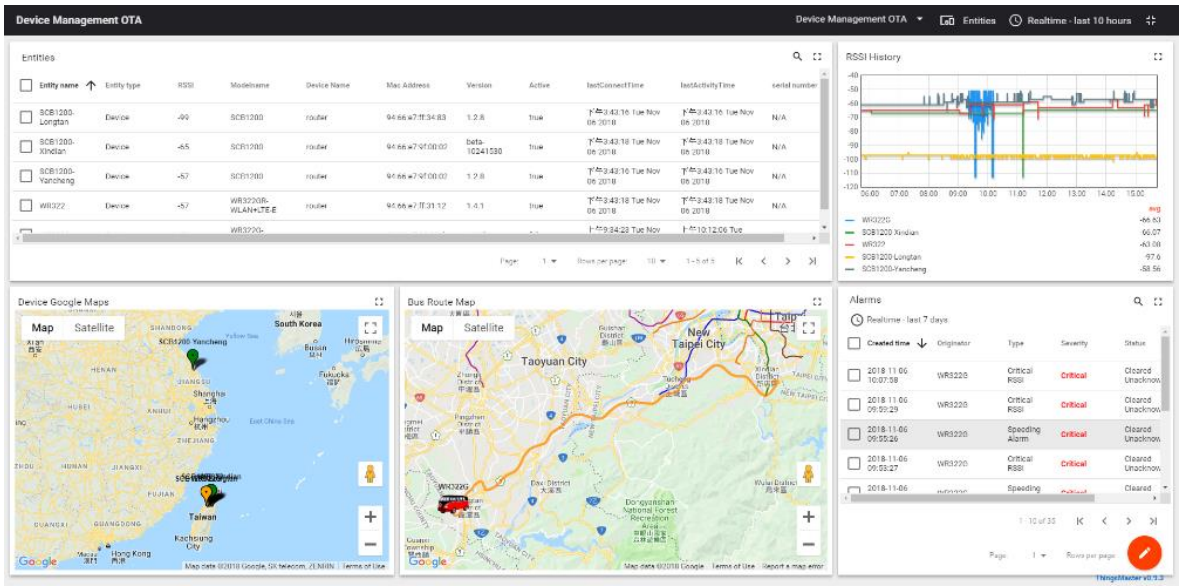
Rule Engine: Node-RED-like flow-based programming



Rule Import from Examples

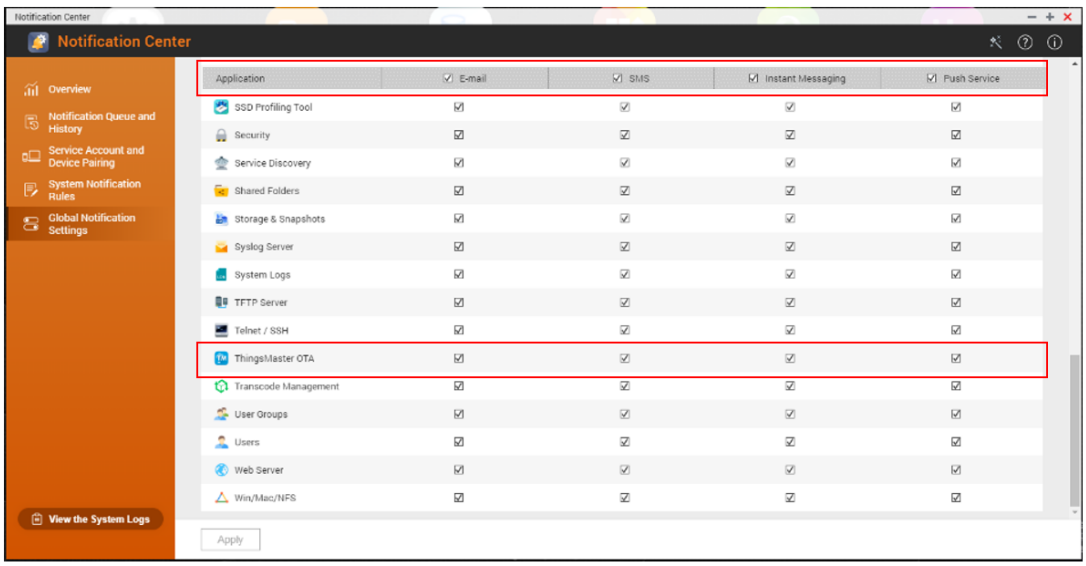


Interactive monitoring and map shows the status, wireless signal strength, location and route

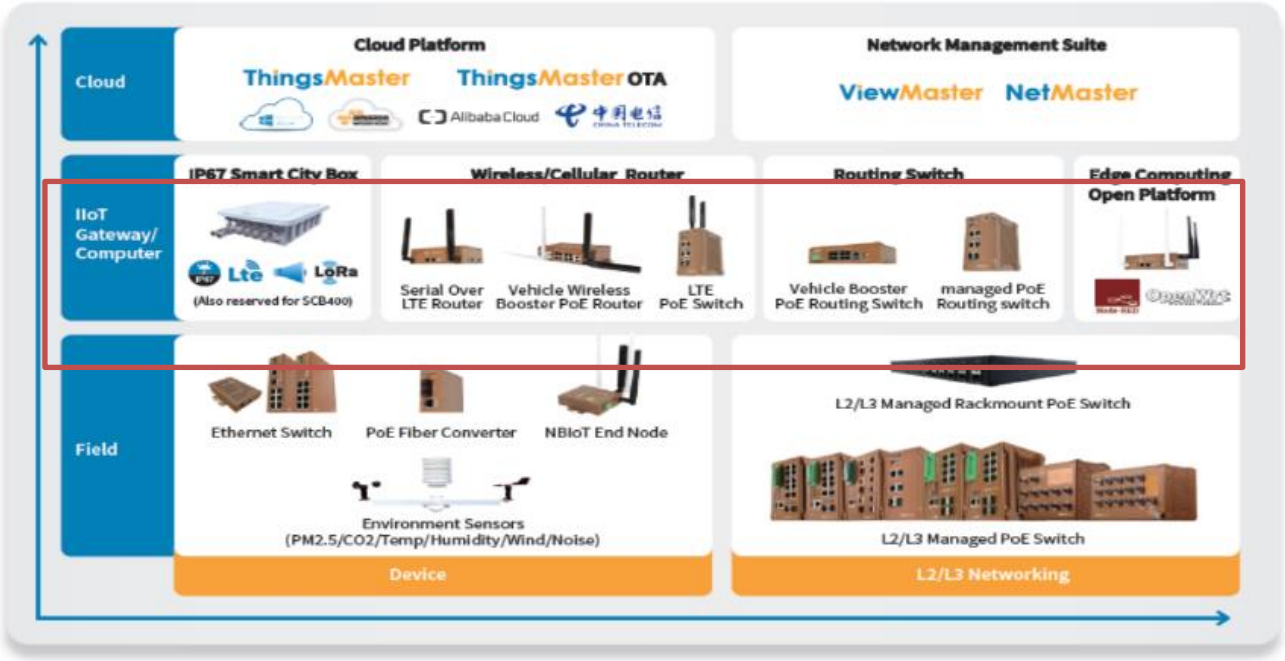


QNAP ® NAS Free Download

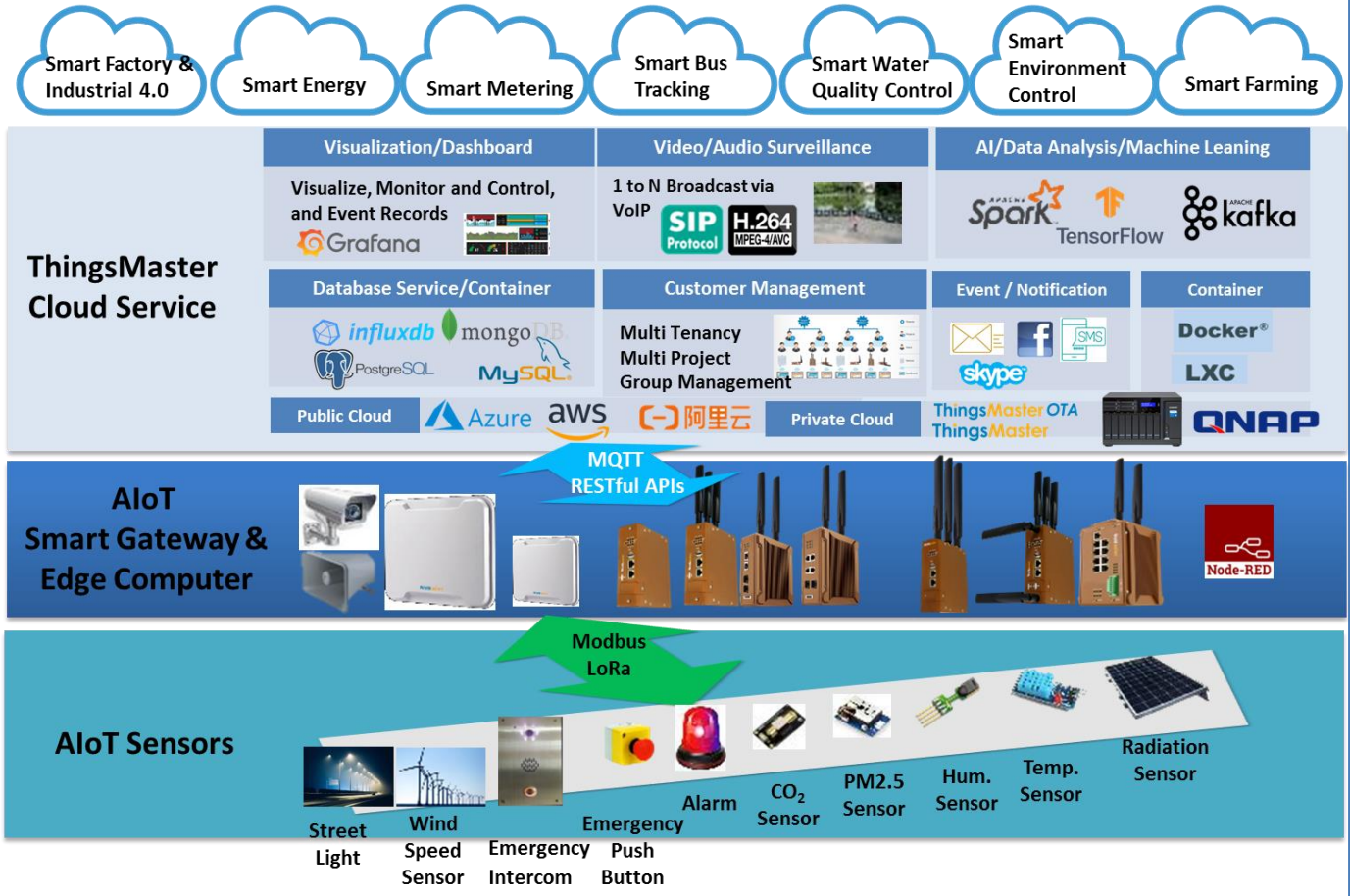
Multiple Notification Channels



All Gateways Supported



ThingsMaster IIoT Platform



System requirements for private cloud	
Cloud Server	
CPU	Intel® i5 4 core Processor
RAM	16GB DDR3 (8GB for trial version)
Storage	at least 20G free space

System requirements for QNAP Nas

Supports X86 NAS Models with memory able to be expanded to 16GB:

- TVS/TS-951X,X63, X73,X77, X82, X85
- With Container Station

Ordering Information

Model Name	Description
ThingsMaster OTA-Annual-100	ThingsMaster OTA Online OTA annual fee for 100 nodes
ThingsMasterOTA–5GW	ThingsMaster OTA for 5 gateways, one year license
ThingsMasterOTA–10GW	ThingsMaster OTA for 10 gateways, one year license
ThingsMasterOTA–50GW	ThingsMaster OTA for 50 gateways, one year license
ThingsMasterOTA–100GW	ThingsMaster OTA for 100 gateways, one year license
ThingsMasterOTA–300GW	ThingsMaster OTA for 300 gateways, one year license
ThingsMasterOTA–500GW	ThingsMaster OTA for 500 gateways, one year license
ThingsMasterOTA–1000GW	ThingsMaster OTA for 1000 gateways, one year license

OTA Device Management System

https://ota-thingsmaster.womaster.eu

Username: womaster@womaster.eu

Password: womaster101