

Build Your Own IIoT Platform for Industrial Plant Networks

ThingsMaster

ThingsMaster is an intelligent private IIoT platform that fits for your private IIoT platform requirement. It provides flexible and secured access from any web browser either in PC or smart phone. It also support RTSP streaming which allows you to broadcast from cloud to remote gateways via Voice over IP. Field site video surveillance is also supported from the cloud for environment monitor via IP cameras. ThingsMaster enables fast, flexible, secured dashboard for multi-user and supports MQTT and RESTful APIs for easy access to data from an IIoT gateway. It is also designed for central network management such as device configuration, firmware version upgrade, fault alert and event records.



Features & Benefits

ThingsMaster Agent

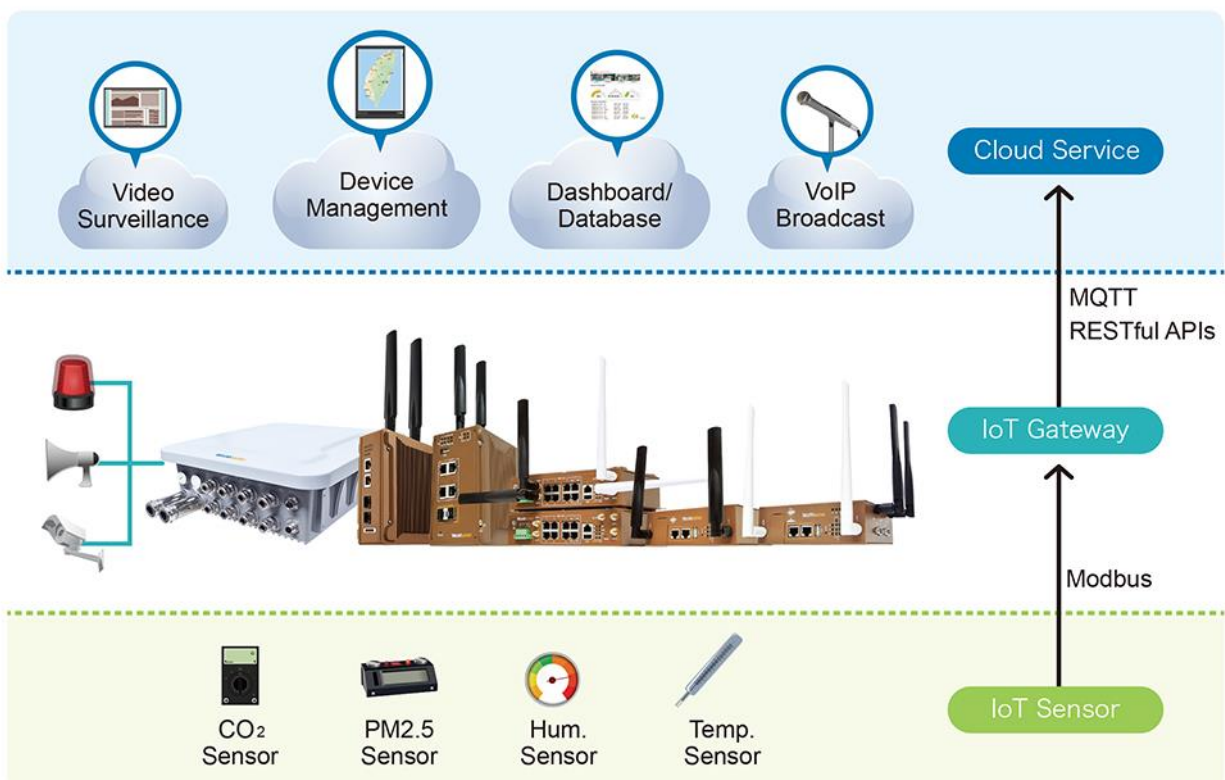
The ThingsMaster agent sends data (encrypted) via the cellular network or Ethernet to the ThingsMaster data center in the cloud.

Secure data in the cloud

The ThingsMaster Server is a secure, support private cloud and public cloud service (AWS) where all your data is stored and accessed.

Web access

Log in to ThingsMaster cloud to access your equipment via a regular PC, tablet, smartphone etc.



Dynamic, Fast and Flexible Dashboards

- Provides multi-user management, each logged-in user has his own Dashboard configuration.
- Provide a variety of data sources to obtain data.
- Provide a variety of Widgets to display data.
- Provides export and import of a single page configuration.
- Provides flexible themes.
- Meet RWD (Responsive Web Design) requirements for desktop and mobile devices.

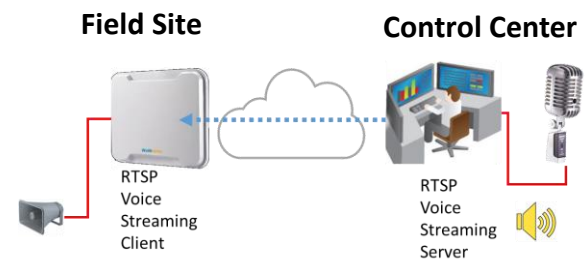
Dashboard for Visualize, Monitor and Control



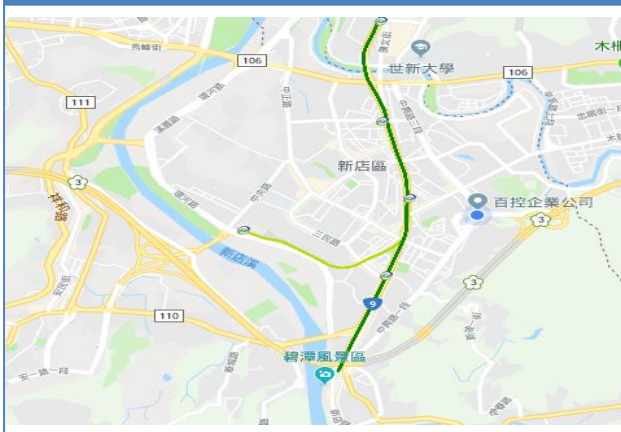
Video Surveillance, Fault Alert, Voice Broadcast and Event Records



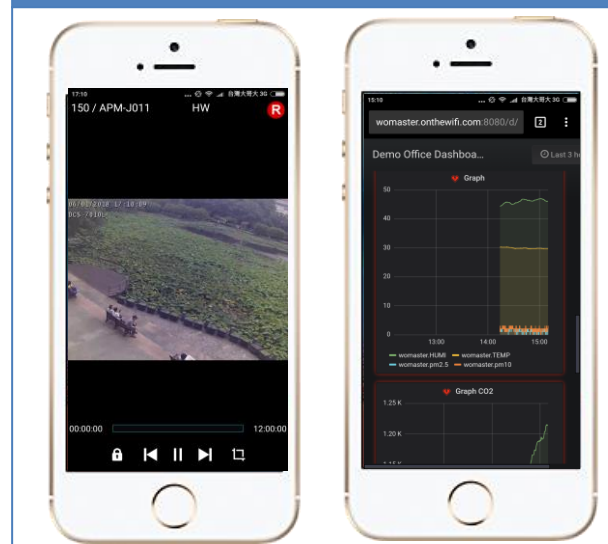
VoIP Voice Broadcast



Map Integration

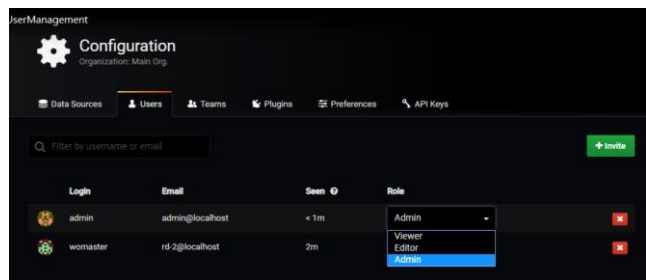


Responsive Web Design for desktop and mobile devices



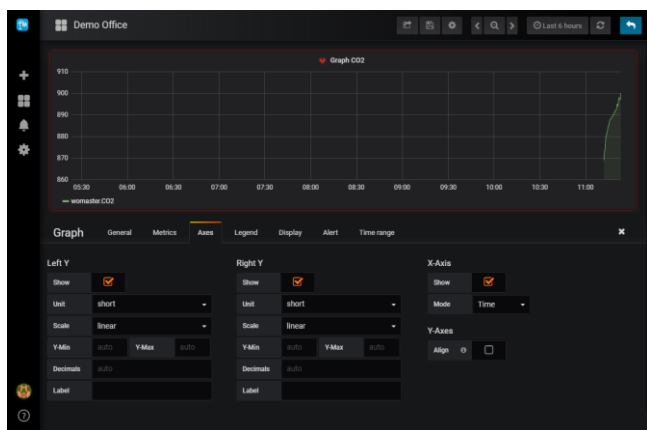
User Management

- Provides multi-user management, each logged-in user has his own privilege.



Fast and flexible graphs options

- Fast and flexible client side graphs with a multitude of options. Panel plugins for many different way to visualize metrics and logs.

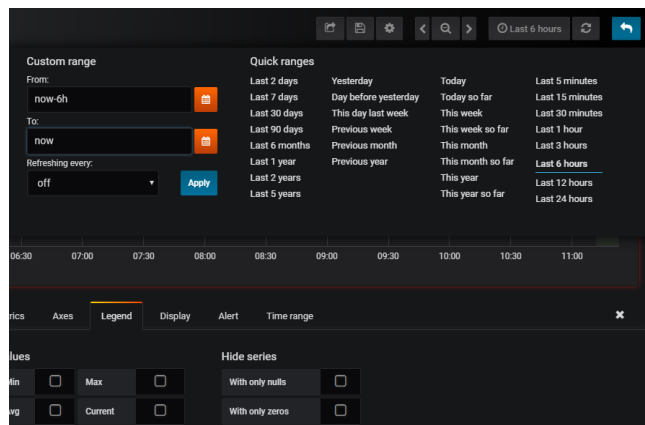


Analyze logged data

- Show the Histogram of time series data.

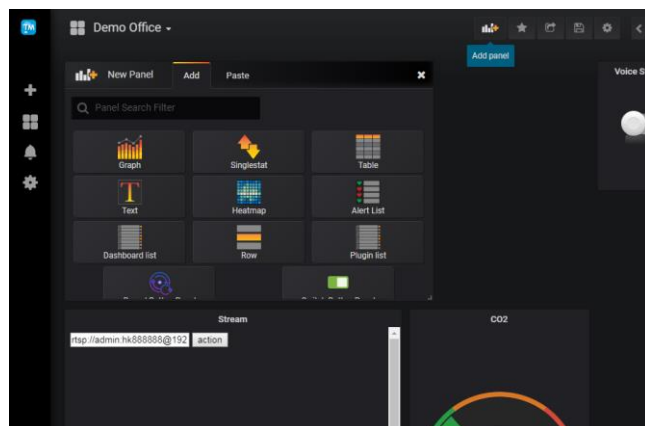


Configurable time range and refresh interval.



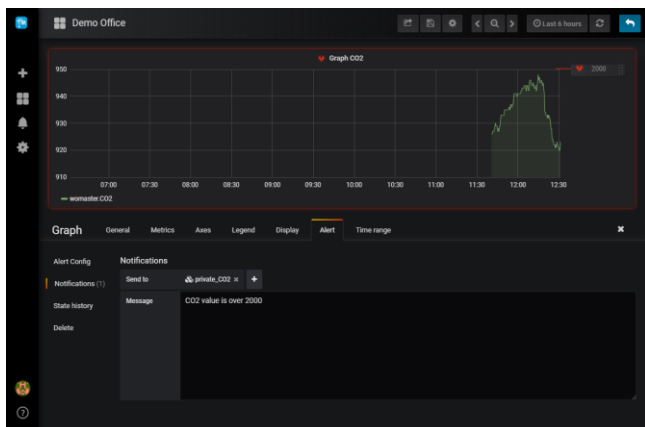
Easy Add Graph Panel

- From heat maps to histograms. A plethora of visualization options to help you understand your data, beautifully.



Alert

- Visually define alert rules for your most important metrics



Diverse Industrial IoT Solutions

- Industrial 4.0 Solution for Monitor machine downtime duration/occurrence, yield rate, productivity, achievement rate, etc.
- Smart Environment Control Solution for Monitor PM1/2.5/10, CO2, temperature, humidity, radiation, wind speed, etc.
- Smart Water Quality Control Solution for Monitor water EC, DO, PH, NH3-N, etc.
- Smart Bus Tracking Solution for Monitor bus route, speed, fuel, etc.
- Smart Metering Solution for Monitor district energy consumed, water consumed, etc.
- Smart Energy Solution for Monitor meter voltage, frequency, power, current, energy consumption, etc.
- Smart Farming Solution for Monitor silos weights, silos temperature, silos humidity, etc.

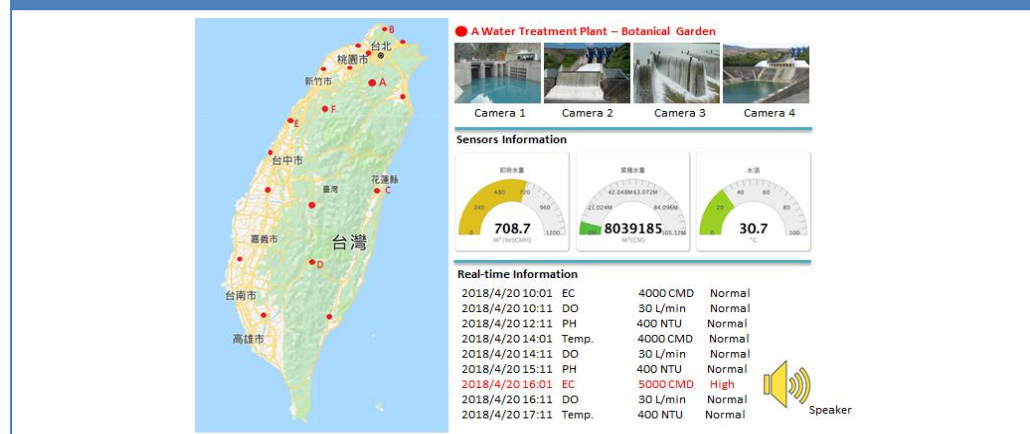
Industrial 4.0 Solution



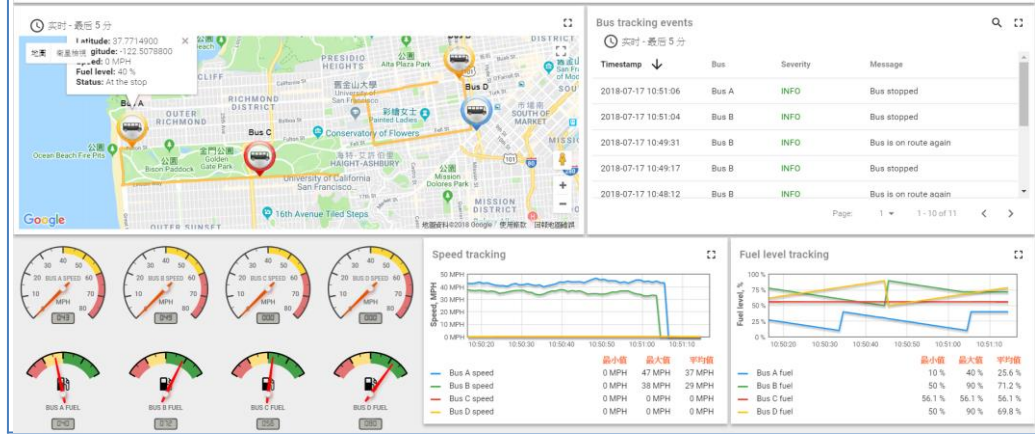
Smart Environment Control Solution



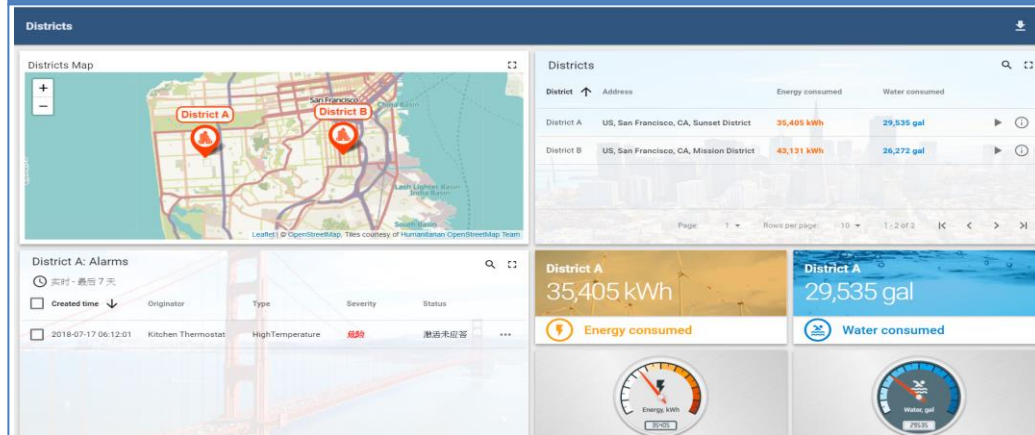
Smart Water Quality Control Solution



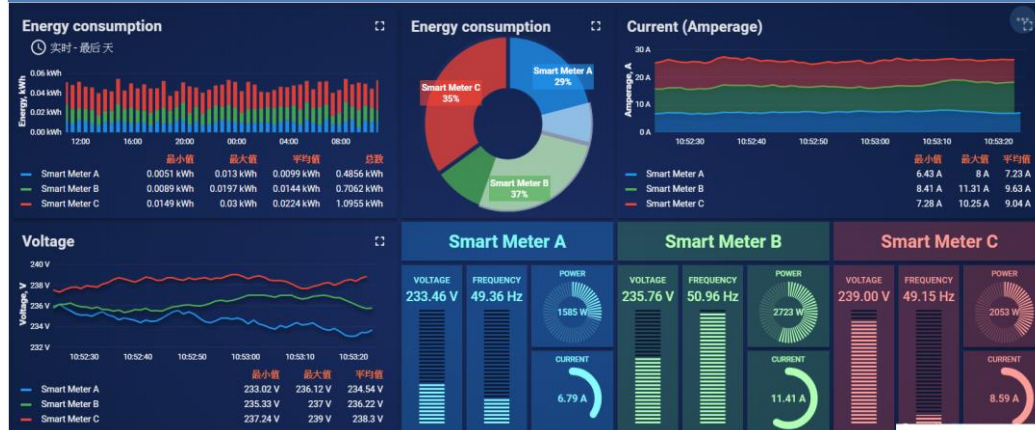
Smart Bus Tracking Solution



Smart Metering Solution



Smart Energy Solution



Smart Farming Solution



System requirements for private cloud

Cloud Server	
CPU	Intel® i5 4 core Processor
RAM	8GB DDR3
Storage	at least 20G free space

System requirements for public cloud

ThingsMaster Server can be deployed on an AWS EC2 Instance (Amazon Web Service) or Microsoft Azure. Please contact your regional sales representative for details.



Ordering Information

Model Name	Description
SCB1200	Industrial Smart City Box with 4GT PoE + 2GF, 1GT WAN, IIoT interfaces
ThingsMaster-1GW (trial version)	1 gateways and each gateway supports 20 Modbus tags
ThingsMaster-10GW	10 gateways and each gateway supports 20 Modbus tags
ThingsMaster-50GW	50 gateways and each gateway supports 20 Modbus tags
ThingsMaster-100GW	100 gateways and each gateway supports 20 Modbus tags