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

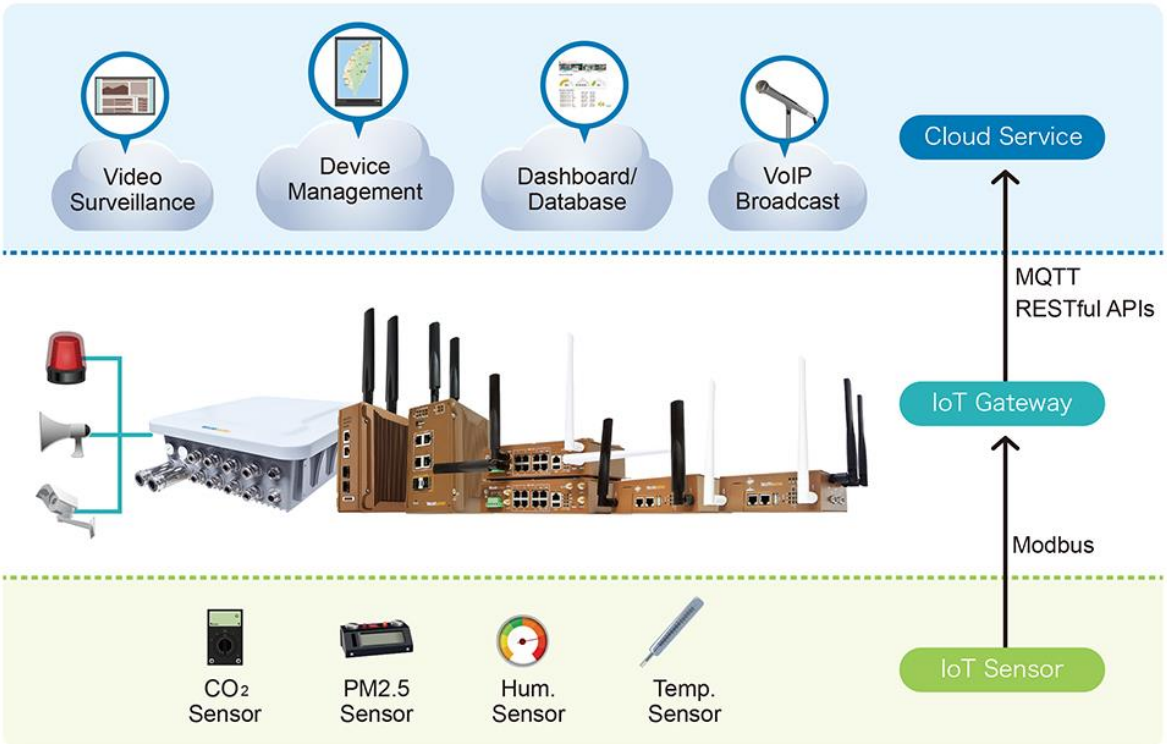
The ThingsMaster agent sends data (TLS/SSL encrypted) via the cellular network or Ethernet to the ThingsMaster data center in the cloud.

Secure Data in Cloud

The ThingsMaster Server is a secured 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.



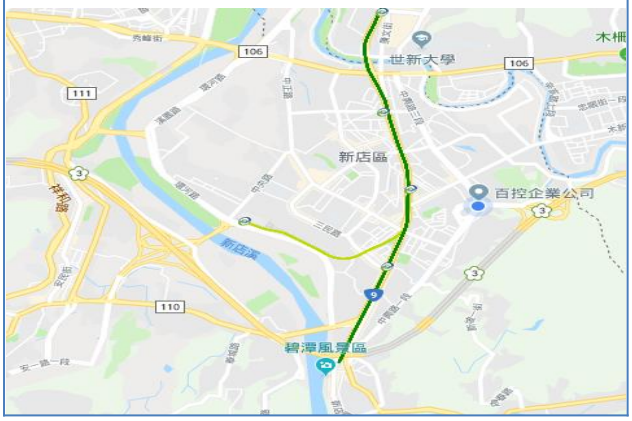
Dynamic, Fast and Flexible Dashboards

- Provides multi-tenant, 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 flexible themes.
- Meet RWD (Responsive Web Design) requirements for desktop and mobile devices.

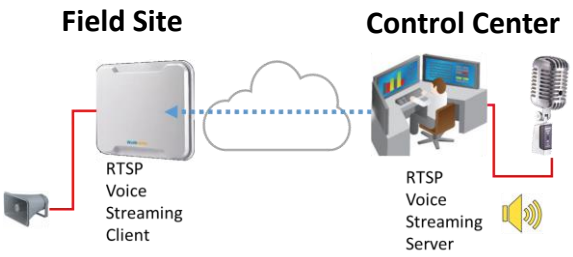
Dashboard for Visualize, Monitor and Control

Video Surveillance, Fault Alert, Voice Broadcast and Event Records

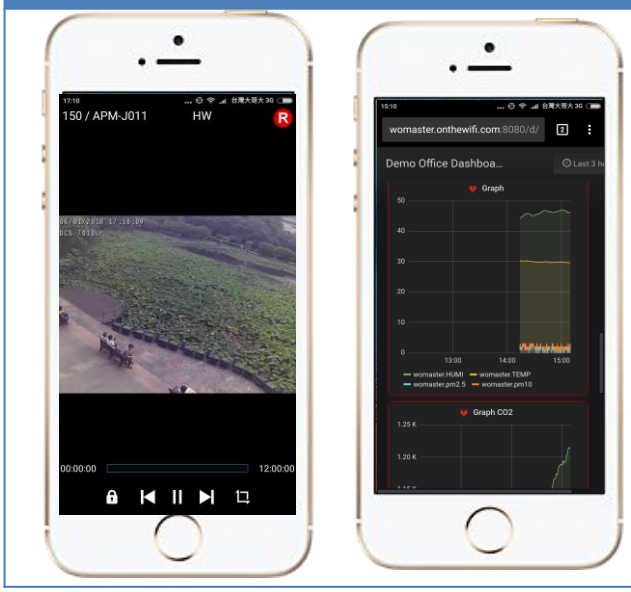
Google Map Integration



VOIP Voice Broadcast (1 to N)



Responsive Web Design for desktop and mobile devices



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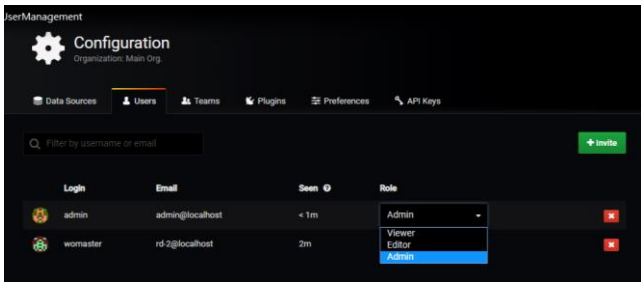
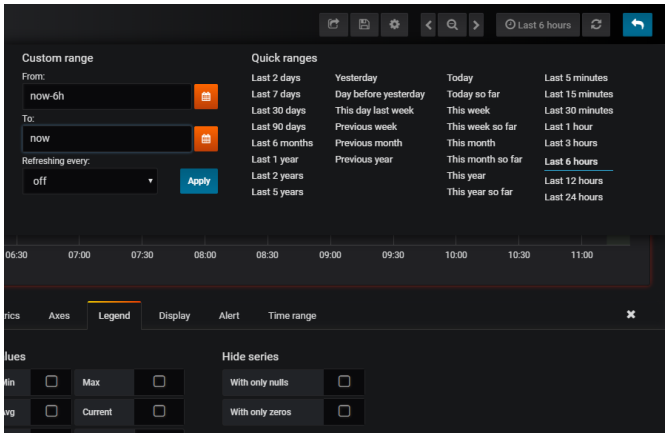
User Management

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

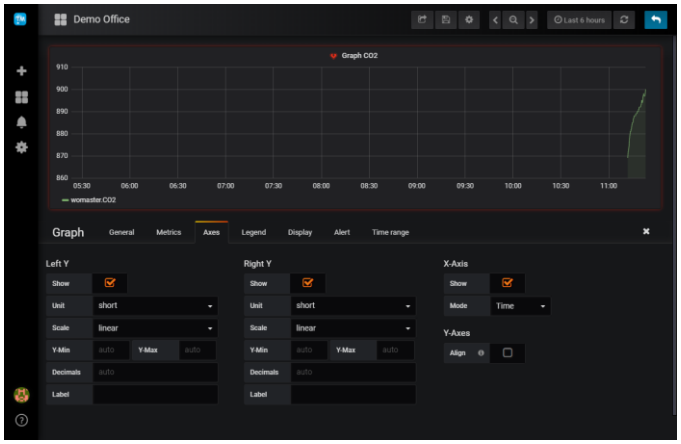


Configurable time range and refresh interval.



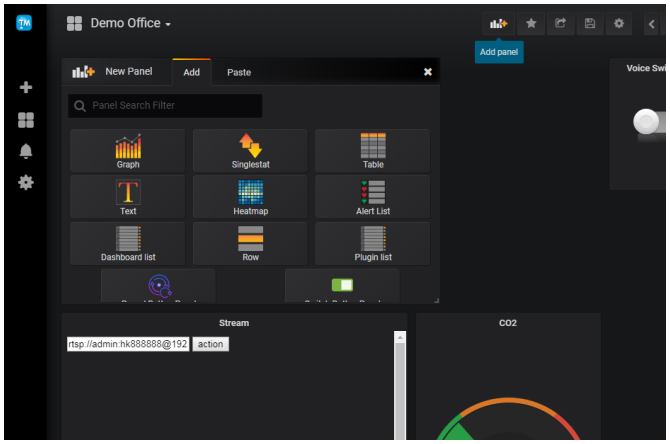
Fast and flexible graphs options

Fast and flexible client side graphs with many options. Panel plugins for different ways to visualize metrics and logs.



Easy Add Graph Panel

From heat maps to histograms. A variety of display options to help data visualization

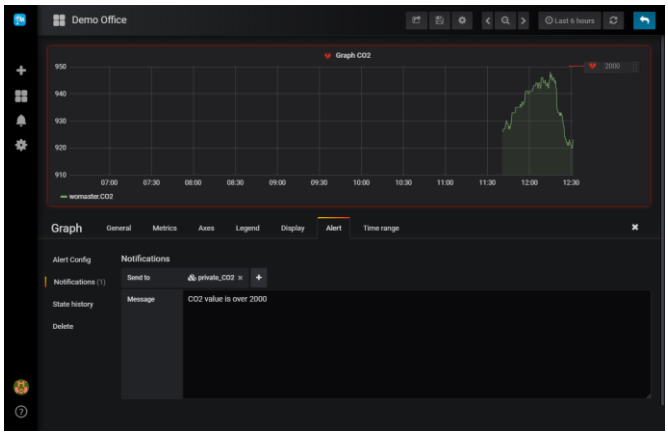


Analyze logged data

Show Histogram of time series data.

Alert

Visually define alert rules for important metrics



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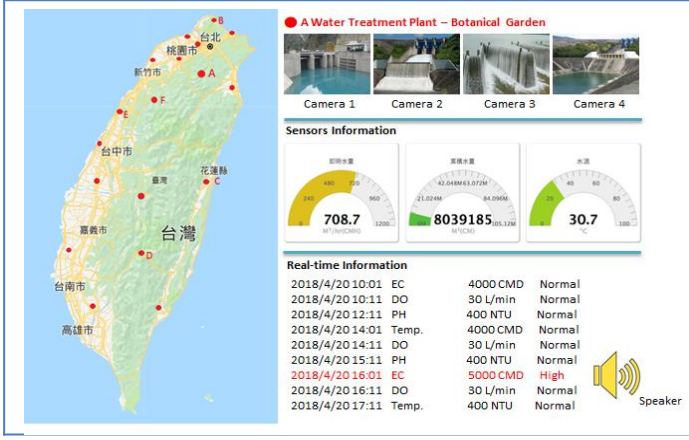
Diverse Industrial IoT Solutions

- 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



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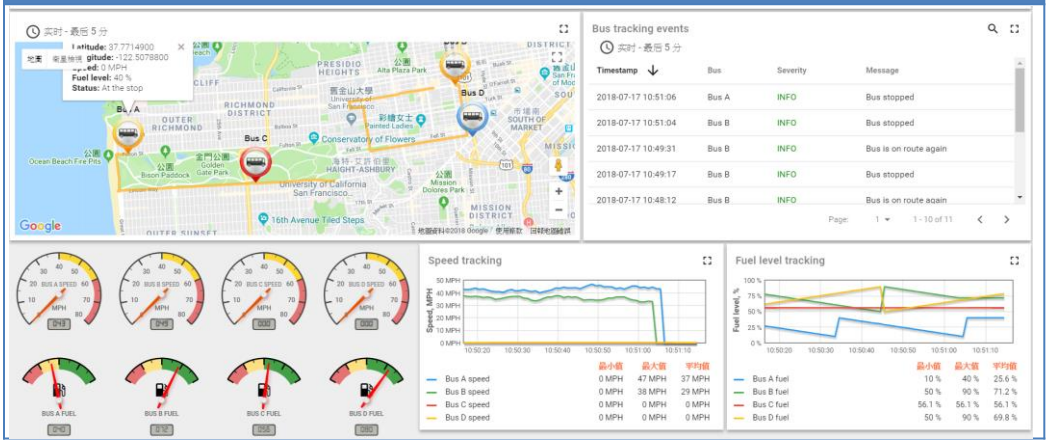
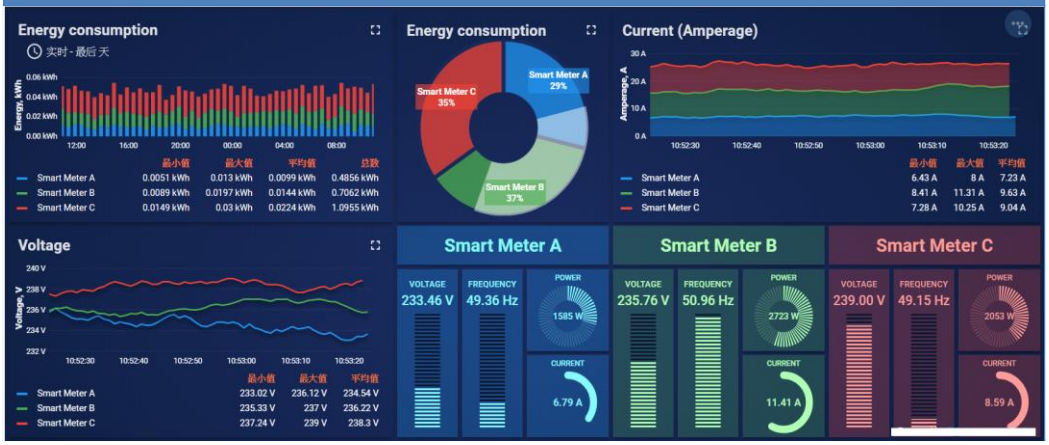
Smart Bus Tracking Solution

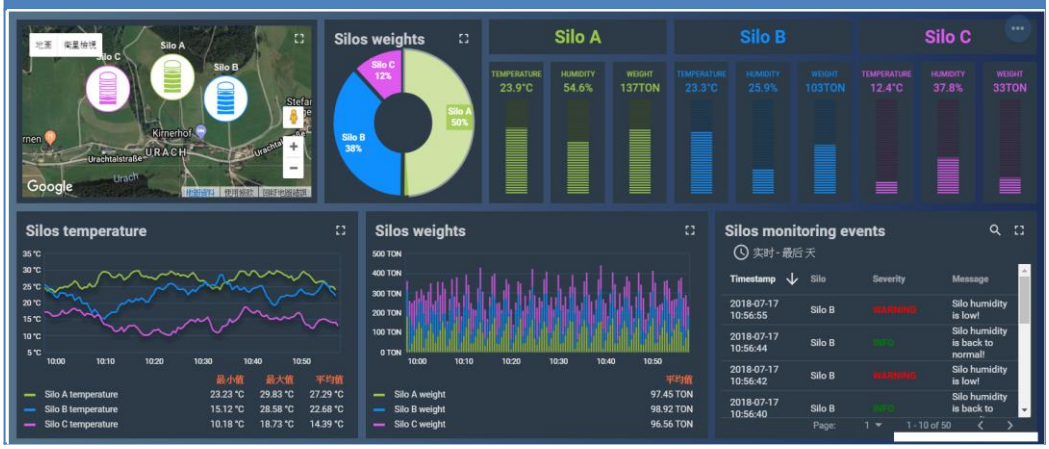


Smart Metering Solution

Smart Energy Solution



Smart Farming Solution



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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