

Private and Secured Industrial IoT Cloud Platform

ThingsMaster by WoMaster 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 on PC or smartphone. It also supports RTSP streaming which allows you to broadcast from cloud to remote gateways via Voice over IP. By the private cloud, you can monitor field environment data from sensors, meters, or even video by IP cameras. ThingsMaster enables fast, flexible, and secured dashboard for multi-user and supports MQTT and RESTful APIs for easy access to data from an IIoT gateway.

ThingsMaster 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.



Features & Benefits

• ThingsMaster Agent

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

• Secure Data in Cloud

The ThingsMaster Server uses the latest TLS encryption and X.509 authentication to protect the data transmission.

• AI Machine Learning



ThingsMaster Cloud Service	Visualization/Dashboard Visualize, Monitor and Control, and Event Records 	Video/Audio Surveillance 1 to N Broadcast via VoIP 	AI/Data Analysis/Machine Learning 	
	Database Service/Container 	Customer Management Multi Tenancy Multi Project Group Management 	Event / Notification 	Container Docker® LXC
	Public Cloud 	Private Cloud 	ThingsMaster OTA ThingsMaster	

AIoT Smart Gateway & Edge Computer

MQTT RESTful APIs

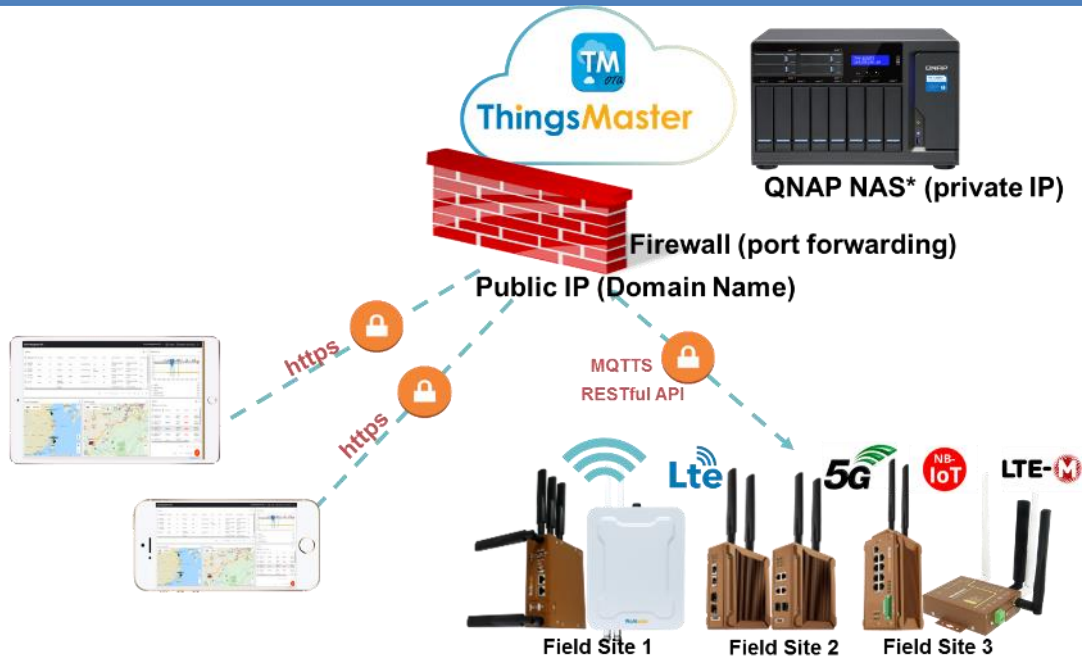
AIoT Sensors

Modbus LoRa

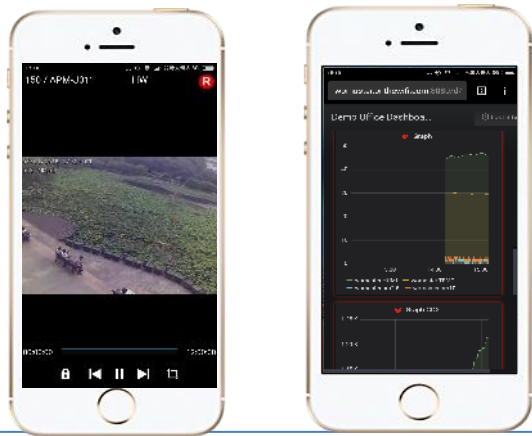
ThingsMaster: Dynamic, Fast and Flexible Dashboards

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

Secure Multi-Sites Management Any Time, Any Where



Responsive Web Design for desktop and mobile devices



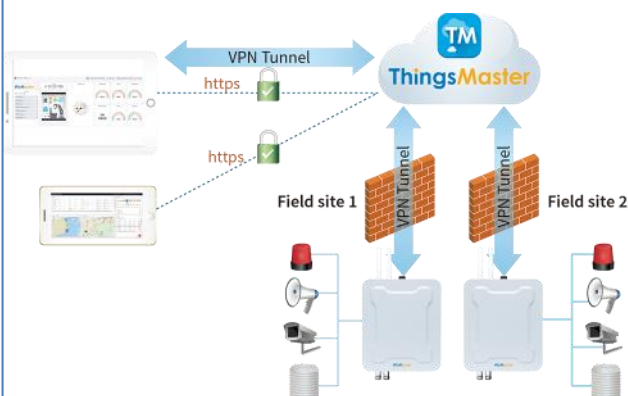
Video Surveillance, Fault Alert, Dashboard for Visualize, Monitor and Control, and Event Records



Secured Multi-sites Management

N to N VPN

Latest TLS encryption and X.509 authentication



VoIP Voice Broadcast

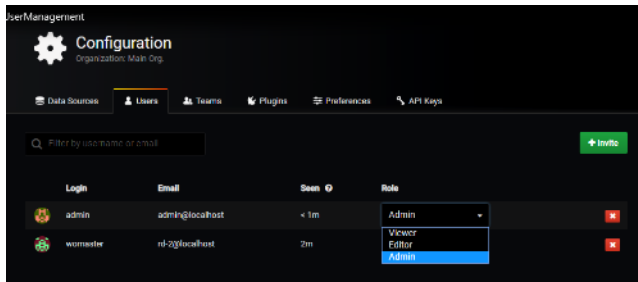
RTSP voice streaming Server/Client for VoIP broadcast

1 to N VoIP broadcasting



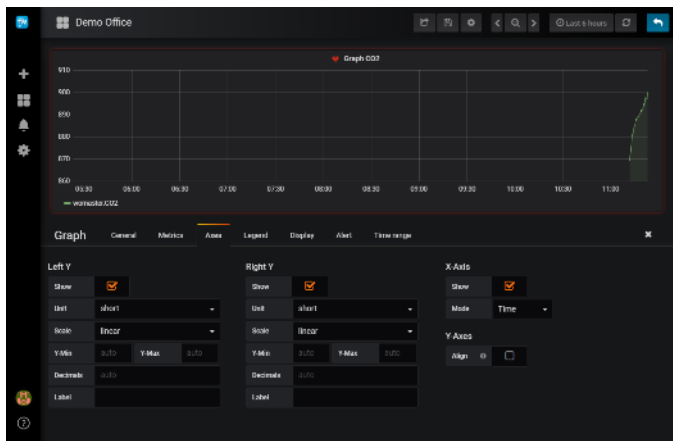
User Management

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



Fast and Flexible Graphs Options

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



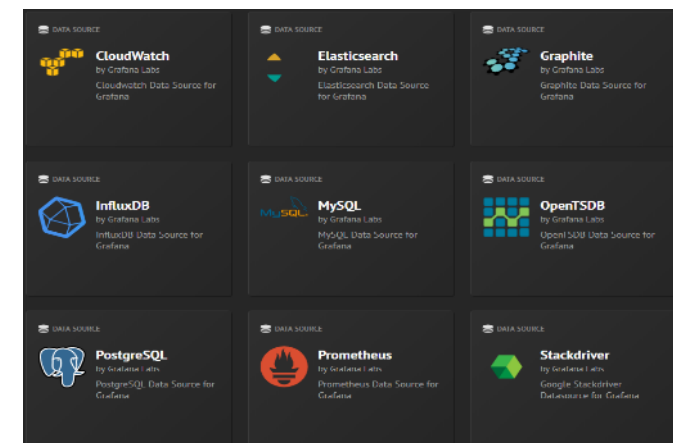
Analyze Logged Data

Show Histogram of time series data.

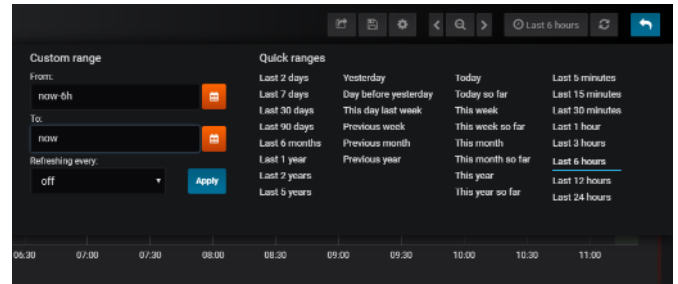


Bring your data together to get better context

Supports over 30 open source and commercial data sources. Mix them together in the same Dashboard.

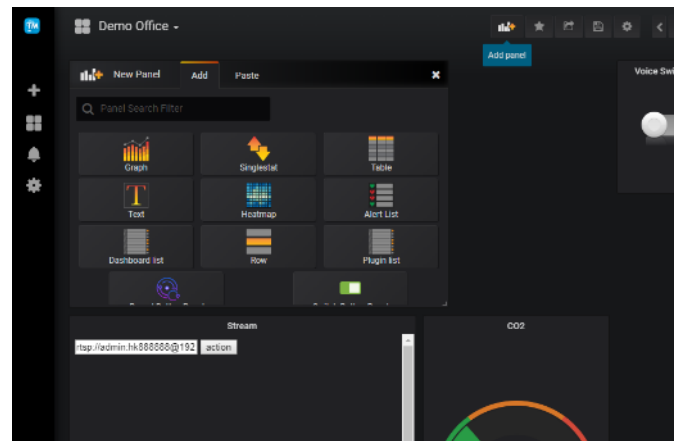


Configurable Time Range and Refresh Interval.



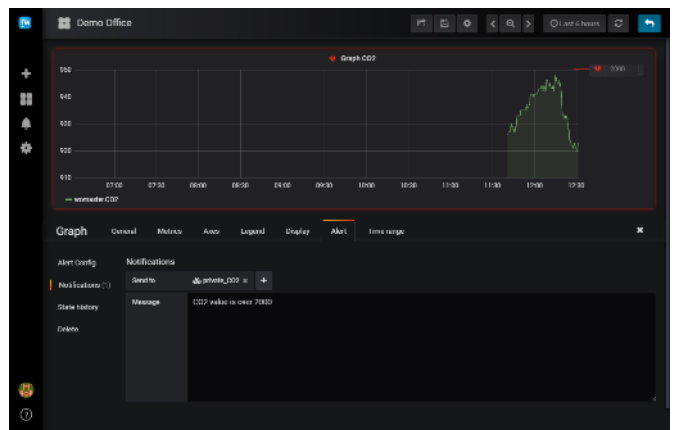
Easy Add Graph Panel

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



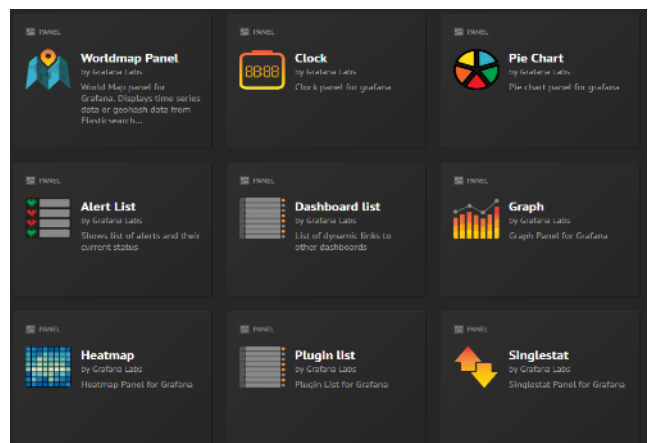
Alert

Visually define alert rules for important metrics



Extensibility

Support hundreds of dashboards and plugins .

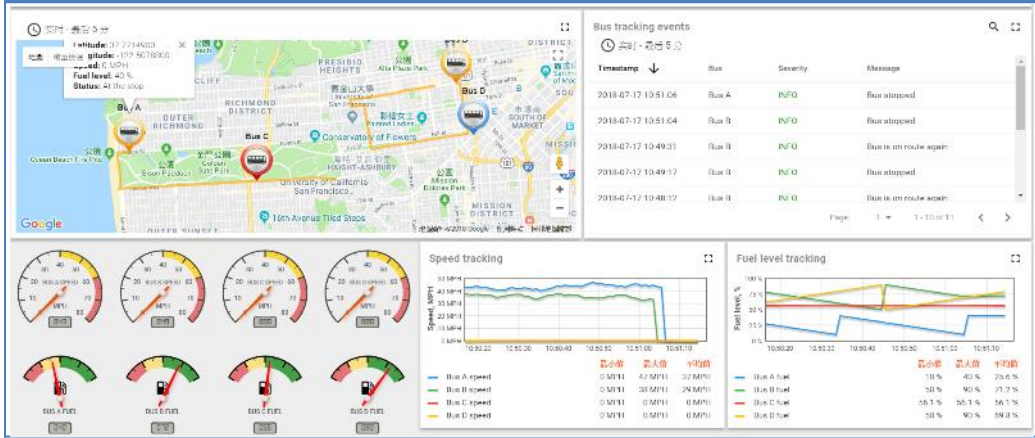


Diverse Industrial IoT Solutions

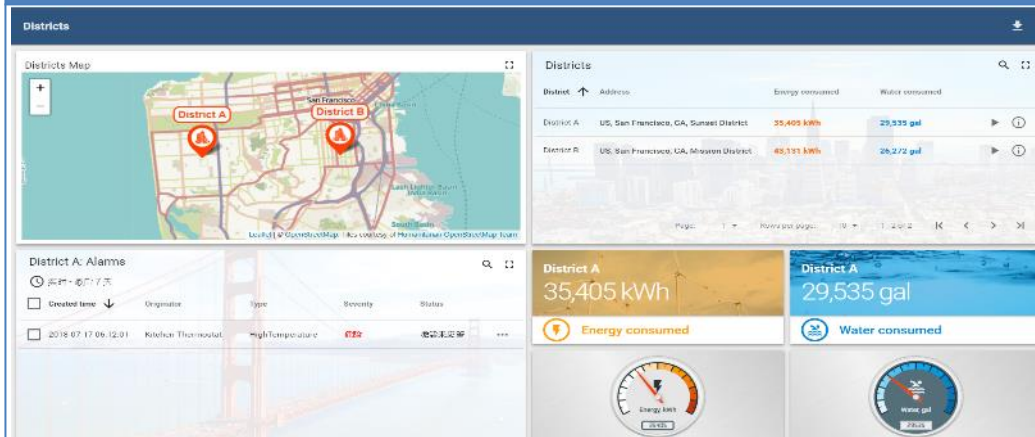
- Industrial 4.0 Solution for Monitor machine downtime duration/occurrence, yield rate, productivity, achievement rate, etc.
- Smart Environment Control Solution for Monitor PM1/2.5/10, CO2, temperature, humidity, radiation, wind speed, etc.
- Smart Water Quality Control Solution for Monitor water EC, 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.



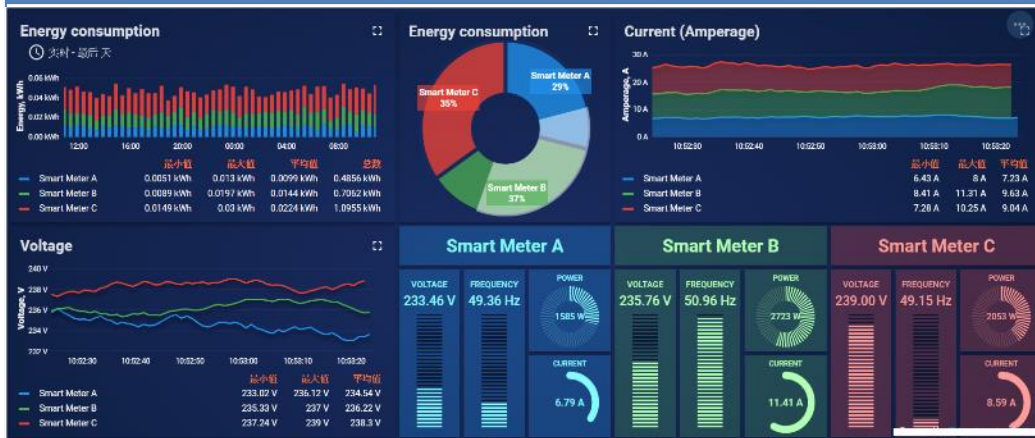
Smart Bus Tracking Solution



Smart Metering Solution



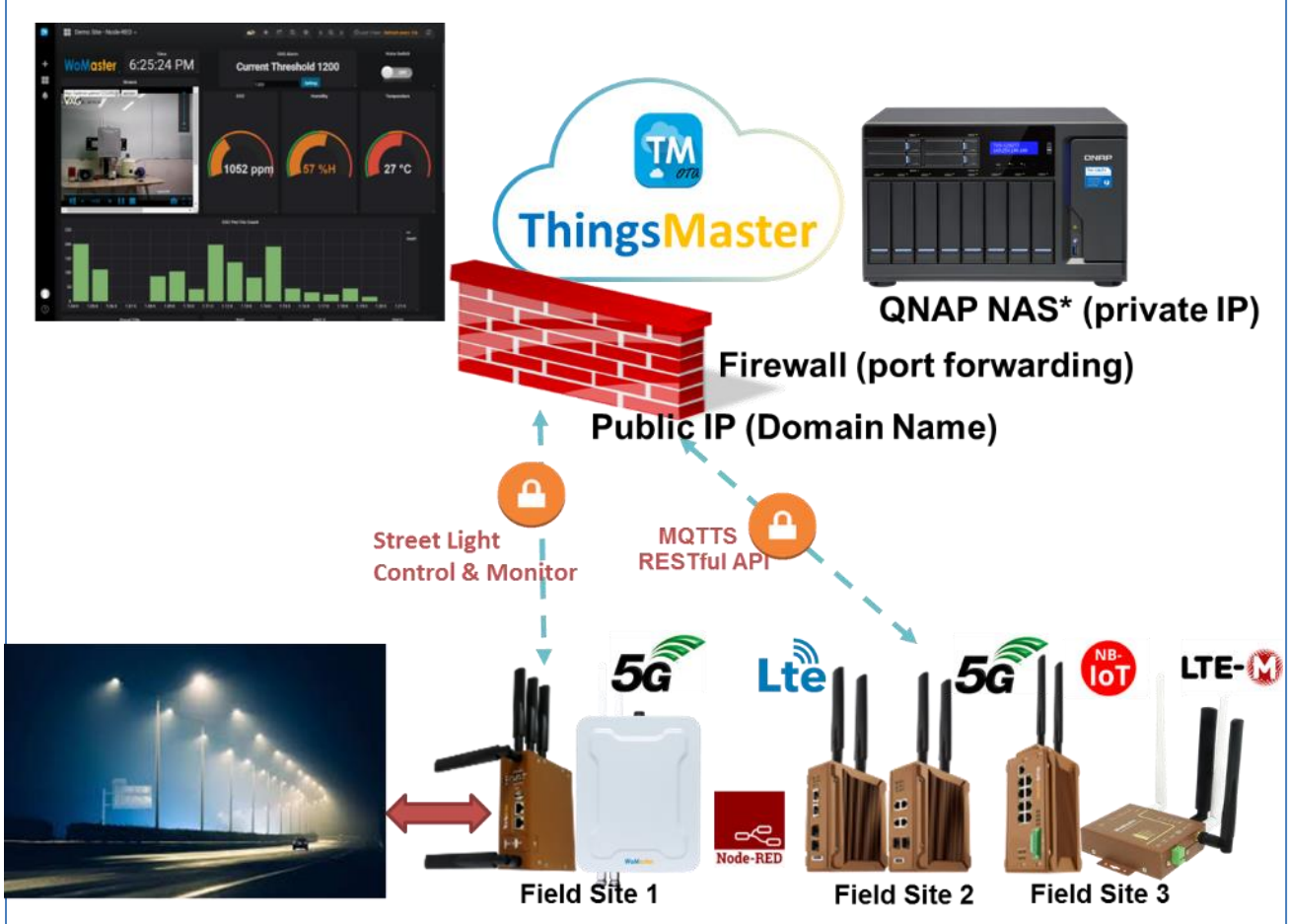
Smart Energy Solution



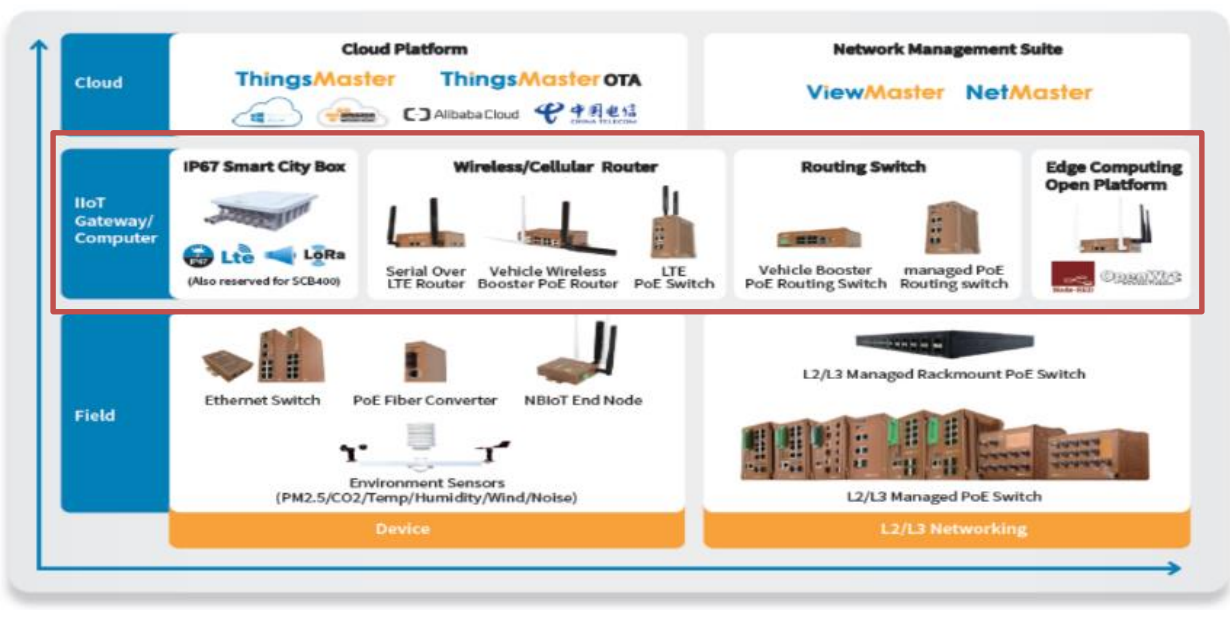
Smart Farming Solution



Smart Street Light Control by ThingsMaster



All Gateways Supported



System requirements for private cloud

Cloud Server	
CPU	Intel® i5 4 core Processor
RAM	16GB DDR3 (8GB DDR3 for Trial Version)
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
ThingsMaster-1GW (trial version)	1 gateways and each gateway supports 25 Modbus tags per com port
ThingsMaster-10GW	10 gateways and each gateway supports 25 Modbus tags per com port
ThingsMaster-50GW	50 gateways and each gateway supports 25 Modbus tags per com port
ThingsMaster-100GW	100 gateways and each gateway supports 25 Modbus tags per com port
ThingsMaster-300GW	300 gateways and each gateway supports 25 Modbus tags per com port
ThingsMaster-500GW	500 gateways and each gateway supports 25 Modbus tags per com port
ThingsMaster-1000GW	1000 gateways and each gateway supports 25 Modbus tags per com port



ThingsMaster- Online Demo

<https://thingsmaster.womaster.eu>

Username: womaster

Password: womaster101