

LoRaWAN®

Open Protocol Guide

Our ultrasonic water meters follow standard **LoRaWAN protocol** (1.0.3, Class A/B/C). Every water meter comes with standard activation parameters (DevEUI, AppKey, AppEUI), ready to work with any standard LoRaWAN network server:

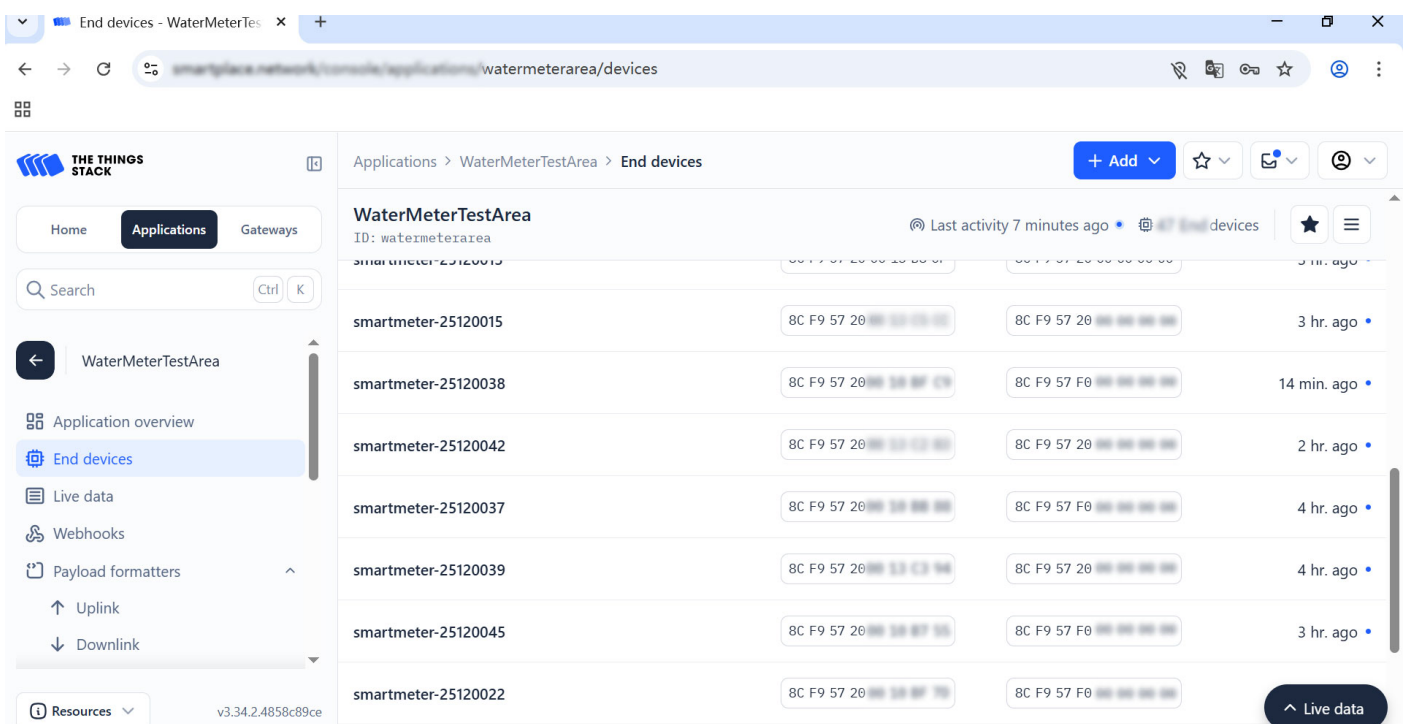
1. The things stack(TTS)
2. ChirpStack
3. AWS IoT Core for LoRaWAN
4. LORIoT, Actility, and any other standard LoRaWAN server

Industry references:

Itron (Global water meter leader) deployed over 150,000 smart meters in the UK's Severn Trent project using The Things Stack (network operated by Connexin).

B Meters (European brand) states on its website: "Compatible with mainstream network servers like The Things Stack, ChirpStack, etc."

Our approach aligns with industry leaders: platform-agnostic, standard-first. Proven by a real **TTN** screenshot. Backed by an open standard.



The screenshot shows a web browser window displaying the ThingsBoard dashboard. The browser tab is titled "Overview - smartmeter-2512" and the address bar shows the URL "thingsboard.network/console/applications/watermeterarea/devices/smartmeter-25120025". The dashboard header includes the ThingsBoard logo and navigation tabs for "Home", "Applications", and "Gateways". The main content area is titled "smartmeter-25120025" and shows "General information" and "Activation information".

General information	
End device ID	smartmeter-25120025
Frequency plan	United States 902-928 MHz, FSB 2 (used by TTN)
LoRaWAN version	LoRaWAN Specification 1.0.3
Regional Parameters version	RP001 Regional Parameters 1.0.3 revision A
Created at	Feb 20, 2026 21:20:01

Activation information	
AppEUI	8C F9 57 F0
DevEUI	8C F9 57 20

Additional details from the screenshot include: "Last activity 29 minutes ago", "202 up / 100 (Nwk) down", and a "Network activity" section with a "Live data" button.

© 2026–Present NINGBO XINGHANG METER TECHNOLOGY CO., LTD. All Rights Reserved.

Technical evaluation available

Request a sample unit. We will provide standard LoRaWAN parameters (DevEUI, AppKey, AppEUI) for network server integration, and MQTT JSON payload format for application platform connection.

Test with ThingsBoard (free tier) or your own platform — and view your meter data on your dashboard within minutes.

Contact us: sales@xinghangmeter.com