

# Intellia Smart Lora Water Meter INT-Water-01

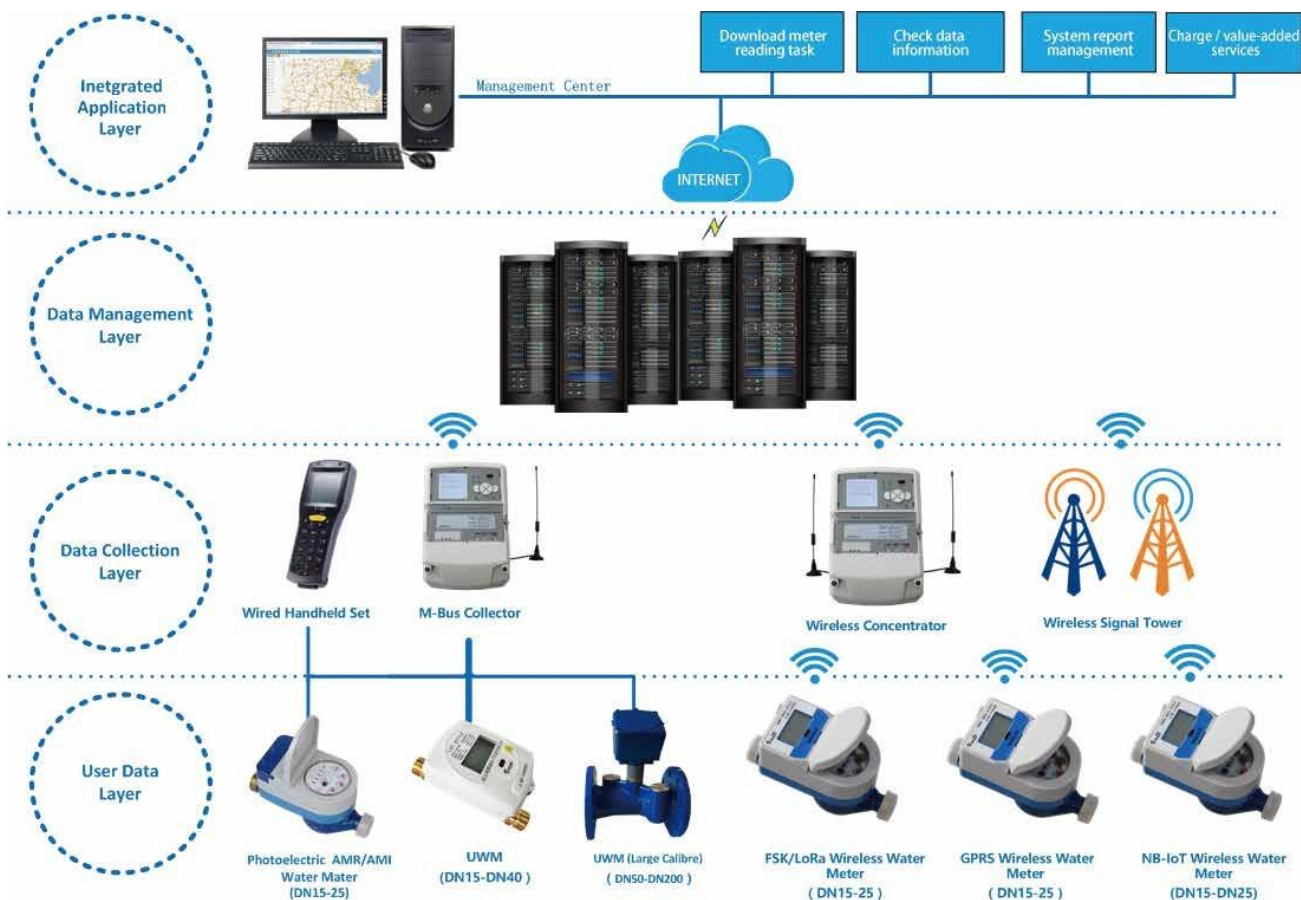
## INTELLIA AMR SYSTEM INTRODUCTION SIMPLE IS SMART.....

### System structure diagram as follows

- server send commands to the data concentrator through network;
- concentrator transforms the received commands into radio signal and send the signal to the water meters;
- water meters respond and execute the commands accordingly;
- Water meters deliver the result or data back to the management center as per the original route after the actions finished.

### Service

- Quality Gurantee: Battery life over 6 years; Water meter 2 years;
- Support install guide & test in site;
- Date sheet can be sent to other management system easily.



# INTELLIA LORA WIRELESS WATER METER INT-Water-01

## Brief introduction

LoRa wireless water meter adopts advanced wireless transmission technology, which transforms information of conventional mechanical water meter into electrical signal that stored by micro-electronics control circuit. It is able to automatically read the metering data via wireless remote network and control the close and open of the valve.

## Benefits

- With anti-magnetic interference function.
- With the battery voltage detection function.
- Module with automatic data storage function when power down and up, which assuring the data won't lost when power down.
- With 7 layers 8 types of price to support market demand.
- The joint of the RF module and the base meter uses the integrated structure with built-in antenna, which reducing the damage of antenna during the process of installation;
- Using LoRa transfer mode can drastically extend the communication distance.
- The module use of deep dormancy time design is able to completely close the wireless module during the deep dormancy time period(not in operation during night time ), which drastically help to reduce power dissipation;
- Whole circuit board uses of ultra low power consumption design, power supply by high capacity lithium battery and battery life over 6 years;
- set up the metering devices by the handset reader and check the original data and data from meter reading;
- AMI function that supports the system is able to control of valve opening or closing on real-time.



## Dimension

Nominal Diameter	Length L	Length L1	Width B	Height H1	Height H2	Connecting Thread	
mm						d	D
15	258	165	90	112	184	R1/2	G3/4B
20	299	195	90	112	184	R3/4	G1B
25	345	225	90	114	186	R1	G1 1/4B

## Technical specifications

Item	Unit	Details		
		15	20	25
Nominal diameter	mm	15	20	25
Q3/Q1		R80		
Overload flow(Q4)	m <sup>3</sup> /h	3.125	5	7.875
Nominal flow(Q3)	m <sup>3</sup> /h	2.5	4	6.3
Transitional flow(Q2)	m <sup>3</sup> /h	0.05	0.08	0.13
Minimum flow(Q1)	m <sup>3</sup> /h	0.031	0.05	0.08
Accuracy class		Class 2		
Maximum indication	m <sup>3</sup>	99999		
Temperature class		T30,T90		
Pressure class		MAP10		
Pressure loss class		Δp63		
Flow profile sensitivity class		U10/D5		
Environmental class		Class B		
Electromagnetic environment class		E1		
Static current	uA	<10		

## Outline dimensional drawing

