The wireless communication solution of Intelligent water meter

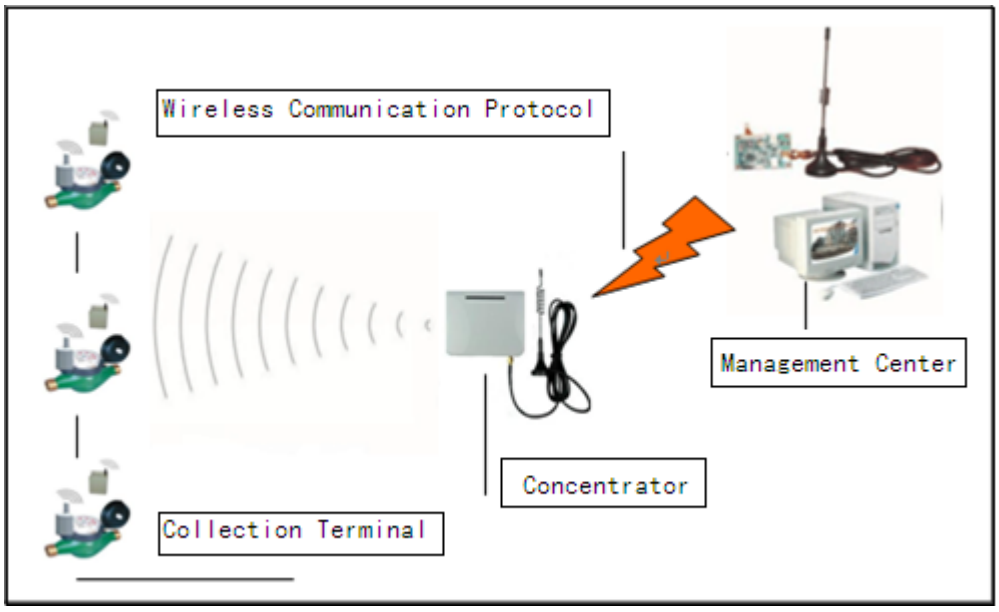
Demand analysis:

Nowadays,most of water company,still rely on copying the water meter at door.This method is not only consuming time and increasing cost,bust also inconvenient to collect data.With the rapid development of intelligent wireless communication,intelligent water meter become more and more popular.It can improve the efficiency of management,prevent owing fee availably, avoid copying out water amounts in consumers' home and realize water saving.

(一）Wireless remote meter reading system：

System components: It consist of meter reading management center, the centralized controller and collection terminal.

The structure diagram is as follows:



1) Meter reading management center:It composes of the inner meter reading management computer and the background PC management software.It is the core management section of the whole wireless remote meter reading system.It is only the manager of remoting all the wireless meter reading system, but also a bridge to link the marketing management system and remote auto-reading-meter system .

2) Concentrator:

concentrator is the bridge of the management center and user terminal, is the middle tier of the system.

3) collection terminal:also called user terminal.It is user to directly collect the data of using. And transmit the data to the centeralized controller by wireless data communication.Collecting terminal installed in each building concentrated near the water meter.

The location as follows: