Building an IoT Coffee Machine with Realtime Volume Monitoring

Monitoring any Coffee Machines with NavigateWorx 3G/4G Wireless Router

In the context of the Internet era, vending machines can help businesses and consumers achieve a win-win situation. In the future market layout, vending machines will surely occupy a place.
With Navigateworx router played a important role on the whole system for Internet communication.

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Summary

With the continuous advancement of the Internet of Things era, the Internet + self-service industry model has also become a new trend in the industry. The pursuit of people's quality of life is constantly improving. The changes in consumer attitudes, consumption patterns, and the pursuit of quality of life are also changing rapidly. There is a higher demand for retail demand, convenient consumption, and healthy living. Self-service coffee machines are currently adapting to these constant Demands are widely distributed in large and medium-sized business districts, stations, office buildings, airports etc. Users only need to scan the code to get freshly ground coffee in a few seconds, which is fast and green.

Customer Needs

Self-service coffee machine consists of coffee processing equipment, sensors, paper cup holders, advertising display screens, touch screens, etc. It mainly provides users with operation and payment interface, transmits user data to the platform, and accepts platform instructions for coffee manufacturing and cup processing. Advertising value-added services can also be provided on the advertising screen.

Stable, Reliable Communication

The built-in sensors and controllers in the intelligent coffee machine control scheme are an important part of the human-computer interaction of the smart coffee machine. Through different hardware protocols, wireless data conversion and wireless control can be realized on different hardware. Therefore, the stability and reliability of wireless communication is very important.

Platform Monitoring

The monitoring platform includes a web server, a data center and a service platform. It mainly communicates with many coffee cabinet systems in various places, monitors the online status of each coffee cabinet terminal in real time, obtains coffee sales transaction information, and processes requests and reports from terminals.

Solutions

Navigateworx LTE VPN routers provide a stable, reliable and secure APN/VPN wireless network transmission channel for the coffee machine, and connect different fast payment platforms to facilitate the payment of the mobile wallet under the premise of ensuring communication security.

Benefits

Real Time Connectivity

Wireless data transmission equipment has the characteristics of real time online, no time delay, and the data of multiple components can be received and processed simultaneously without the need of wheel inspection. It can be very good to meet the requirements of real-time data acquisition and transmission system.

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Add Value

At the same time, it can also provide advertising value-added services on the advertising screen.

Reliable Connection

NR500 LTE VPN Router build in watch dog and keepalive policy run inside. The multiple links back to make sure the connection between platform and coffee machine is always online. Ensure the normal operation of the entire business system.

Low Construction Costs

Due to the use of public network platform, without the construction of the network, only need to install the equipment can be good, low cost of construction and easy to deploy in multiple area.

Easy Platform Monitoring

About NavigateWorx

NavigateWorx Technologies provides Products, Services, Solutions and Support to the emerging Machine-to-Machine Industry. Our goal is to assist in your efforts to bring Industrial Projects to life, implement Wireline & Wireless Technology Solutions in your Business to simply keep your Devices, Employees and Business connected. That is NavigateWorx.