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June 8, 2015

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RESEARCH REPORT

HOW 4G NETWORK HELP IOT(INTERNET OF THINGS) DEVELOP

## INTRODUCTORY SUMMARY

Last month, I have did a research about the 4G network and IoT. IoT is a newborn industiry, but it need to solve many problems to improve itself. 4G have been used by many people, and it have many advantages. My research is finding the problems of IoT, and finding out that can 4G network solve these problems.

In this report, I will show you the main points of my research and the result I got from my research. Besides that, I will also make a brief introduction about how I made this research.

## RESEARCH METHOD

In this research, I had accessed information about 4G network and IoT, including the basic data of 4G network and its advantages and the situation of IoT, the information helped me have a profound understanding of 4G and IoT. I’m a user of 4G network, I had the experience of using 4G, that also helped me make this report.

## MAIN POINTS OF RESEARCH

### 4G network

The 4G network is faster, wider than 3G network.

It can reach 2-3 mb/s, it transform further with lower attenuation, it can also provide internet to more people by only one base station.

Every can become a terminal of 4G. 4G is more intelligence and flexible, and it’s cheaper than before.

### Problems of IoT

IoT need higher coverage rate and higher speed.

A unified standard and more domains are also necessary for IoT.

We must reduce the cost of data traffic.

### Can 4G solve the problems of IoT

The 4G network can provide the high coverage rate and higher speed.

The development of 4G may provide a chance to merge standard, but it can't solved by 4G alone.

The Ipv6 will provide more domains, 4G need to fit Ipv6.

The price of 4G is cheaper than before, but it still too high to use on IoT.

## CONCLUSION

As a technology with development for a few years, the 4G network can solve a part of the problems of IoT. With the further progress of 4G, the 4G network can solve more problems of IoT or provide promotion to solving the problems. But there still some problems can’t be solved by 4G network or have little relationship with 4G.

4G network do help the IoT, but it is still not a panacea for IoT.

These are what I got from my research, I hope to get your opinion on this issue.

Sincerely,

Zhu Zixiao

Student