

IPLOOK's NB-IoT Products INTRODUCTION

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IPLOOK Technologies

Versions

Versions	Alteration of contents	Director

Contents

- Versions..... I
- Contents.....II
- 1 About IPLOOK..... 3
- 2 IPLOOK’s NB-IoT solution.....4
 - 2.1 The basic network diagram of IPLOOK’s NB-IoT solution..... 4
 - 2.2 NB-IoT product strategy.....4
 - 2.2.1 Deployment strategy.....4
 - 2.3 The Feature lists.....6
 - 2.3.1 Terminals Power Saving Management.....6
 - 2.3.2 Data Transmission Optimization.....6
 - 2.4 IPLOOK’s product roadmap.....6

1 About IPLOOK

IPLOOK Technologies Co., Ltd. starts-up in early 2012, and formally founded with our new brand “IPLOOK” in Dec., 2014. IPLOOK specializes in the research and development of LTE core network products with flexible customized solutions and services. IPLOOK dedicates to be a leader in LTE 5G core network.

IPLOOK has successfully built a LTE product line to meet the requirements of telecom operators for LTE core network. Based on 3GPP standards and specifications, our products like MME /SGW /PGW/ HSS/ PCRF/ IMS/ VoLTE/ Wi-Fi Calling have developed with high capacity of user access. Up to now, such products have completed the IOT test of S1, S6a, S10, S11, GA, etc. with ZTE, HUEWEI, Fiberhome, Ericsson and many other small cell vendors to ensure high performance and good compatibility. IPLOOK has established a long term relationship with SPIRENT, and a SPIRENT Landslide C100 testing environment has also been constructed to undergo significant tests for the best performance and stability.

IPLOOK provides LTE network communication technology solutions, virtualized solutions of 4G/5G Cloud Computing based on NFV/SDN, related software and hardware product design, development. Committing to lead and promote LTE network market, IPLOOK dedicates to transform from communications equipment vendor to integrated services provider.

IPLOOK will continue to focus on LTE core network and spare no effort to provide the best services for all customers at home and abroad. Welcome to join us!

2 IPLOOK’s NB-IoT solution

2.1 The basic network diagram of IPLOOK’s NB-IoT solution

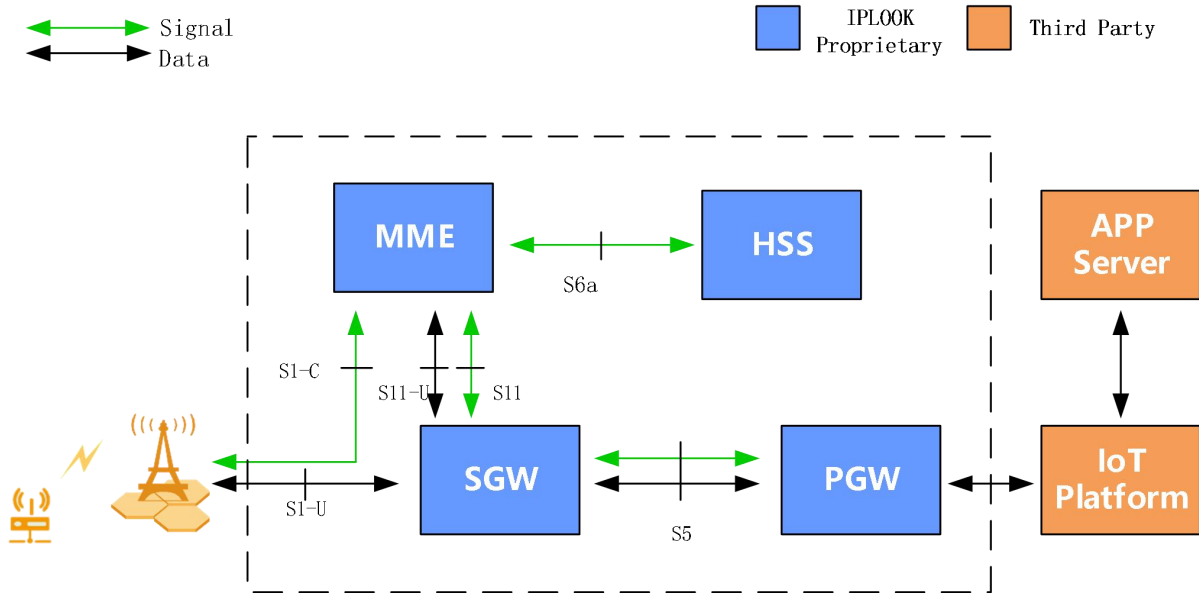


Figure 2.3-1

2.2 NB-IoT product strategy

2.2.1 Deployment strategy

- There are three deployment strategy provided by IPLOOK currently.

2.2.1.1 Compact Deployment

As is shown in the figure 2.3.1.1-2, Compact Deployment integrates almost all the network elements in one IPC(Industrial Personal Computer), including MME, SGW, PGW and HSS. The management and maintenance are much easier than traditional way.



Figure 2.4.1.1-2

2.2.1.2 Virtualized Deployment

As is shown in the figure 2.3.1.2-1, virtualized Deployment takes use of general x86 server as the platform. The function can be NFV element and deployed in the data center. Or, the network elements can be directly deployed on the X86 server to reduce the CAPEX. In Addition, IPLOOK could deploy all the network elements into one sever like compact Deployment, and could also deploy every different network elements into different severs, according to custom's personal needs.



Figure 2.4.1.2-1

2.3 The Feature lists

2.3.1 Terminals Power Saving Management

- Extended periodic timer
- PSM mode
- NB-IoT eDRX parameter

2.3.2 Data Transmission Optimization

- CP-CIoT for Control Plane Optimization
- UP-CIoT for User Plane Optimization
- Non- IP transmission

2.4 IPLOOK’s product roadmap

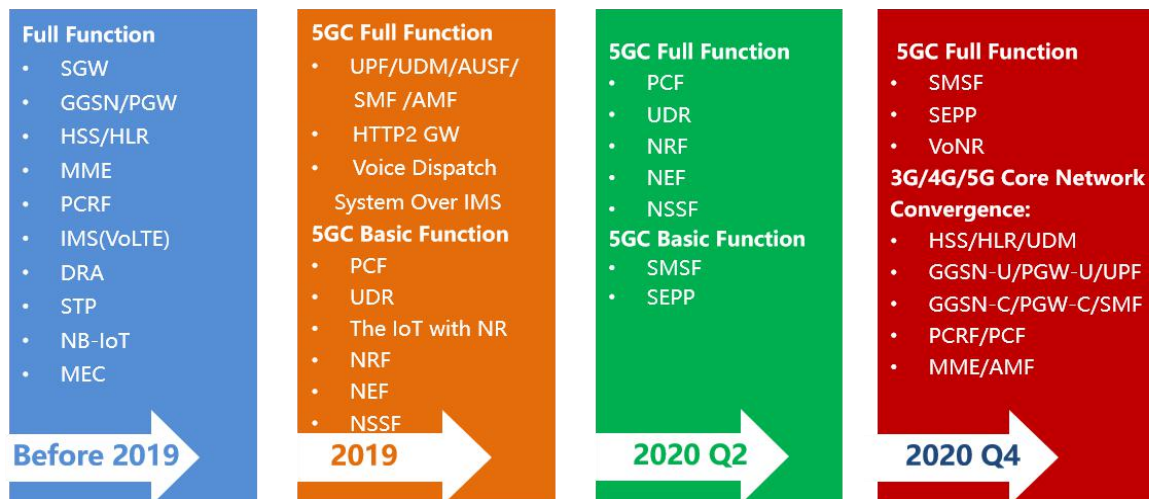


Figure 2.5-1