

HUAWEI LTE E5 E5577 Series Presentation



HUAWEI

E5577 SERIES

PERSONAL 4G MOBILEWIFI SOLUTION.HUAWEI



The LTE Cat4 E5 E5577 (painting)

MAKE it
POSSIBLE



Elegant ID design



Support Wifi 2.4G/5G DBDC



1.45 TFT Screen, Interactive UI



Bigger Battery Out Charger



HiLink APP 3.0, SD card sharing



Key features:

- **ID**
 - Elegant design with leather texture
 - Dimensions: 96.8*58*17.3mm
- **Performance**
 - Support LTE Cat 4
 - Support Wi-Fi 2*2; 2.4G/5G DBDC
 - Support Wi-Fi 802.11 a/b/g/n
 - Support Double External antenna interface
- **Working Time**
 - 3000mAh Battery: LTE 12 h working time.600h standby time
 - (*Depending on the state of network and environment)
- **Easy to use**
 - Support Windows/MAC OS
 - Support 10 Wi-Fi users+1 USB user
 - Support Huawei HiLink APP 3.0, Volume sharing;
 - Support SD card sharing
 - TFT 1.45 Screen, Interactive UI



The LTE Cat4 E5 E5577C (no painting)

MAKE it
POSSIBLE



Elegant ID design



Support Wi-Fi 2.4G/5G DBDC



1.45 TFT Screen, Interactive UI



HiLink APP 3.0, SD card sharing

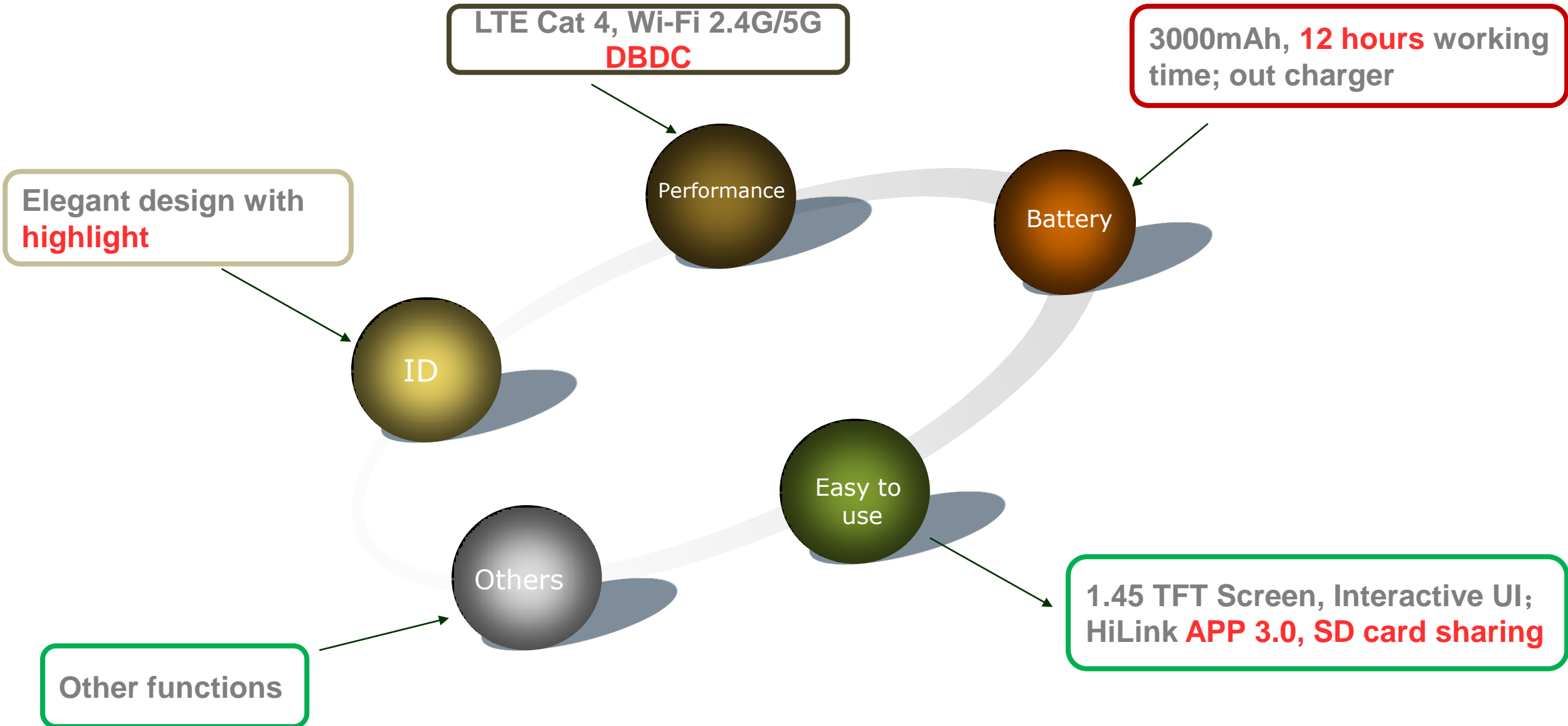


Key features:

- **ID**
 - Elegant design with leather texture
 - Dimensions: 96.8*58*13.5mm
- **Performance**
 - Support LTE Cat 4
 - Support Wi-Fi 2*2; 2.4G/5G DBDC
 - Support Wi-Fi 802.11 a/b/g/n
 - Support Double External antenna interface
- **Working Time**
 - 1500mAh Battery: LTE 6 h working time.300h standby time
 - (*Depending on the state of network and environment)
- **Easy to use**
 - Support Windows/MAC OS
 - Support 10 Wi-Fi users+1 USB user
 - Support Huawei HiLink APP 3.0, Volume sharing;
 - Support SD card sharing
 - TFT 1.45 Screen, Interactive UI



E5577 Highlight

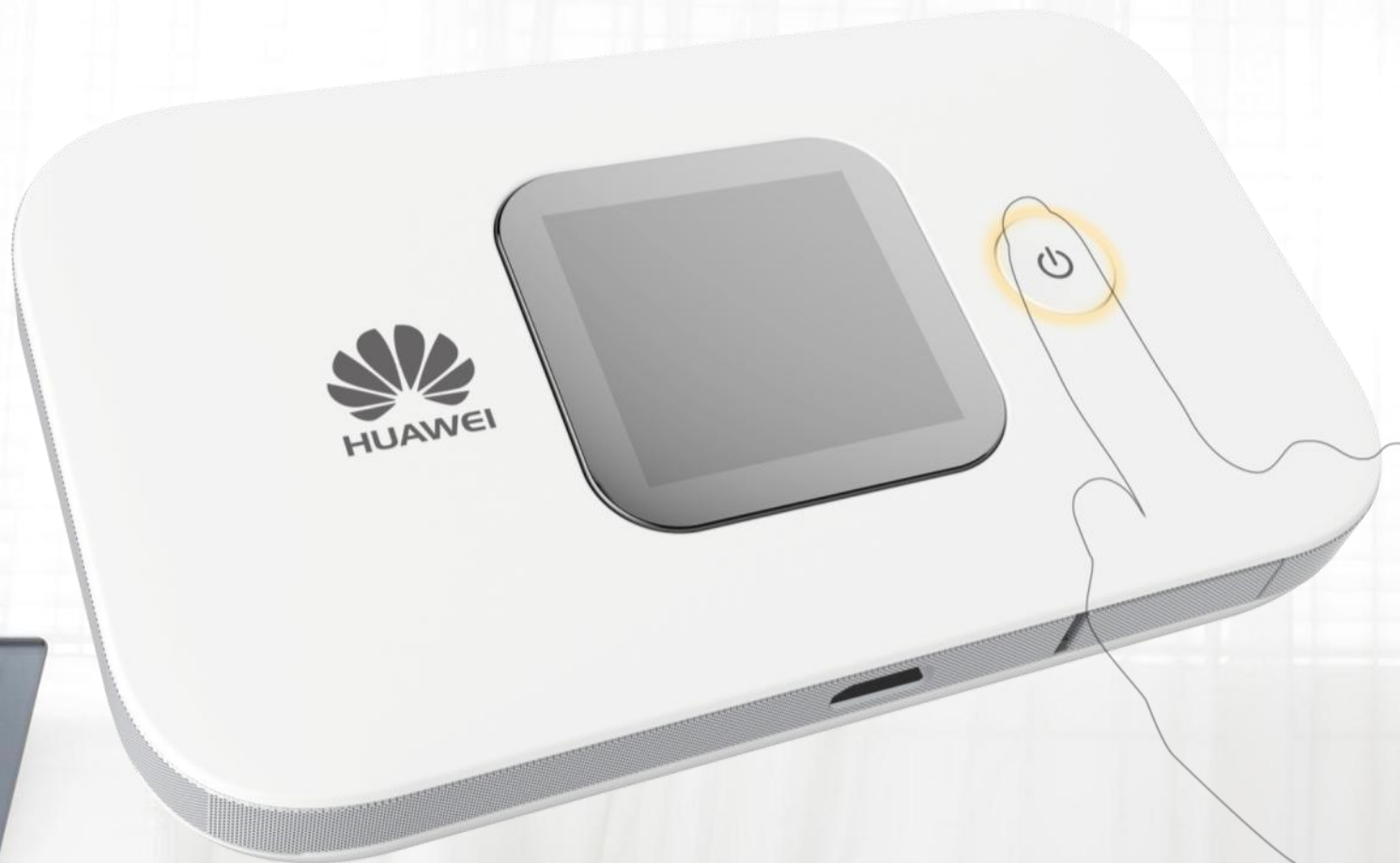


E5577 ID Design



4G LIFE

MUCH QUICKER WIFI SPEED MEETS YOUR FAST CONNECT TO INTERNET



PRESS AND PLAY

SIMPLIFY THE OPERATION MUCH EASIER AND ENJOY THE WIFI AT ONCE

COMPACT

CLASSIC SHAPE WITHIN HUAWEI DESIGN DNA





OUTLINE

ROUND SHAPE WITH COMFORTABLE TOUCH FEELING



SIZE

SMILAR TO THE CEDIT CARD BY 96.8*58*17.3MM



CEDIT CARD



SLIM

SUITABLE RATIO MAKES IT NOT THICK EVEN 17.3MM HEIGHT

TEXTURE

BEAUTIFUL AND ORNAMENTAL TEXTURE MAKES IT MORE ELGANT



Black is the customized color

BLACK EDITION

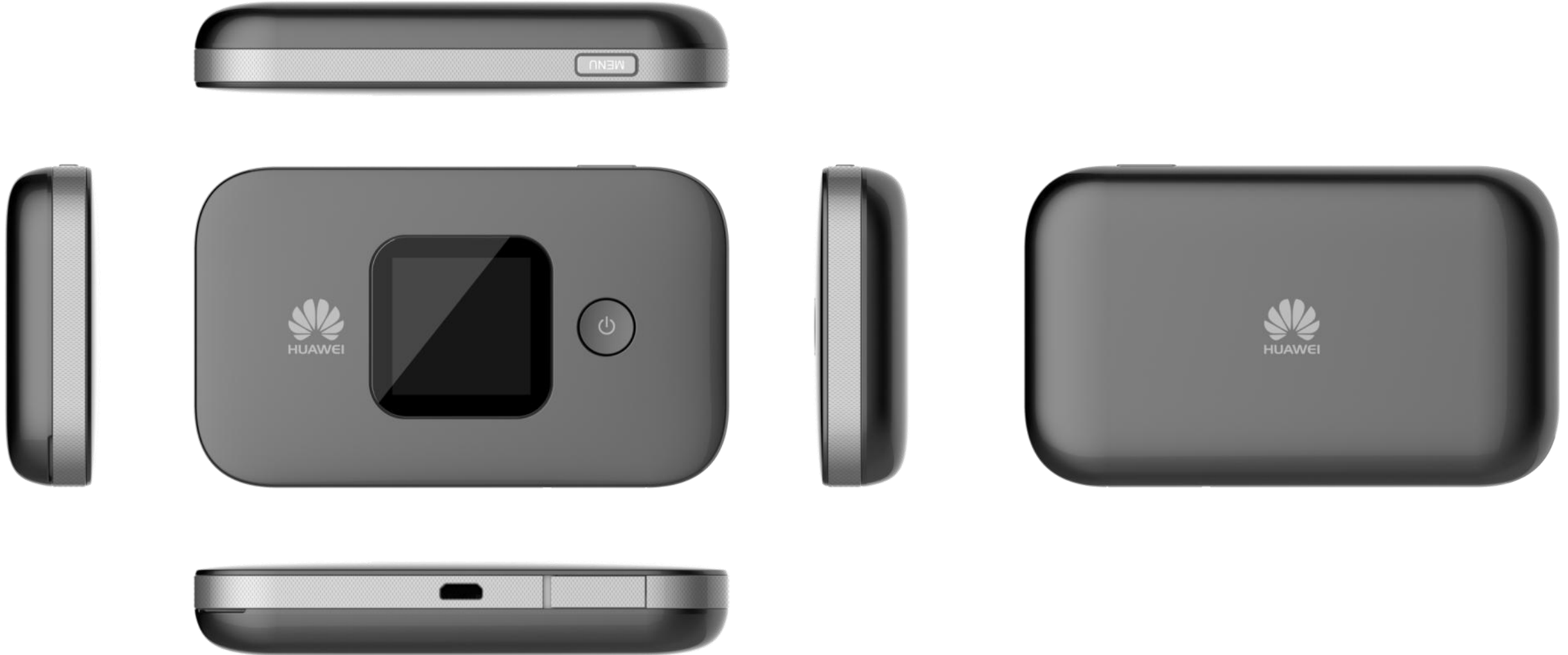
COMFORTABLE FEELING WITH SOFT TOUCH
PAINTING, ONE MORE CMF CHOICE





E5577s WHITE 6 VIEWS

HIHG-LEVEL(PAINTING)&3000mAh EDITION. SIZE: 96.8*58*17.3MM



E5577s BLACK 6 VIEWS

HIHG-END(PAINTING)&3000mAh EDITION. SIZE: 96.8*58*17.3MM



E5577Cs-321 WHITE 6 VIEWS

ENTRY-LEVEL(NO PAINTING)&1500mAh EDITION. SIZE: 96.8*58*13.5MM



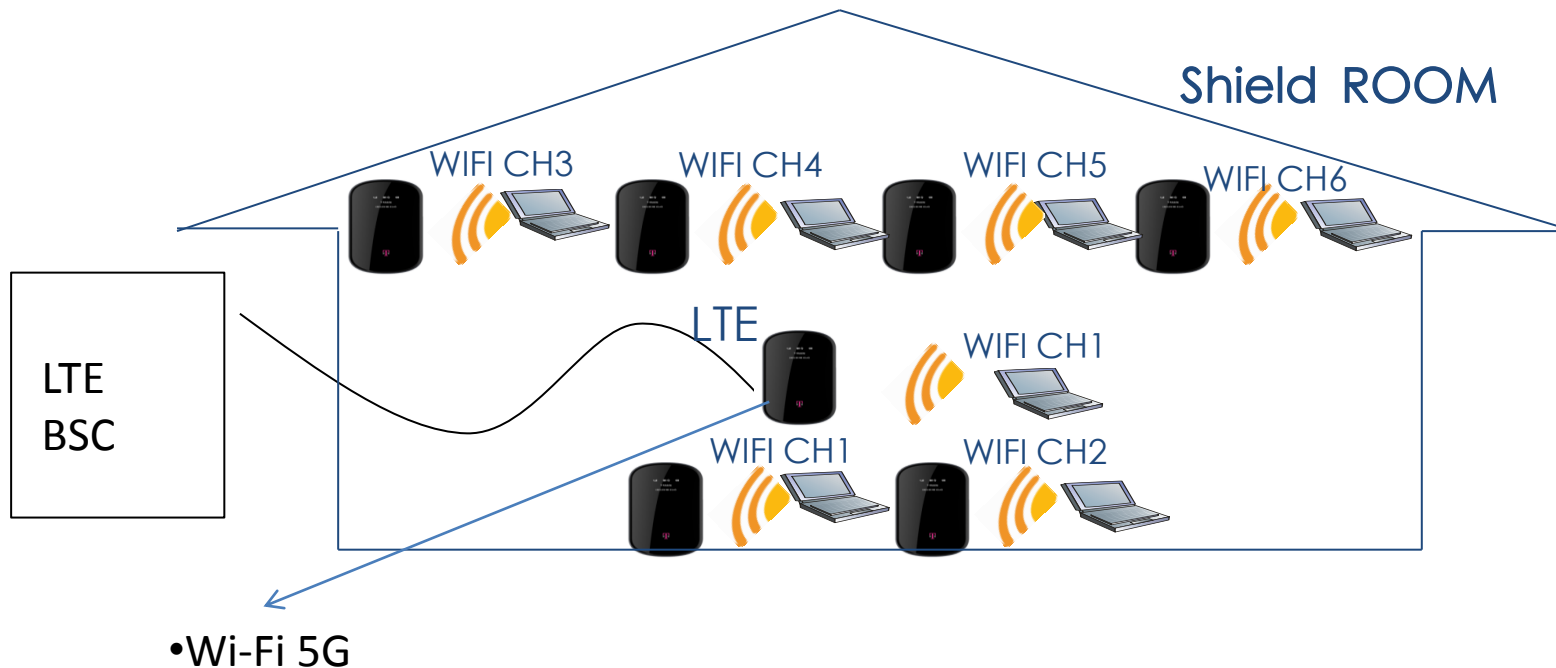
E5577Cs-321 BLACK 6 VIEWS

ENTRY-LEVEL(NO PAINTING)&1500mAh EDITION. SIZE: 96.8*58*13.5MM

E5577 Wi-Fi 2.4G/5G—DFS—DBDC

Support Wi-Fi 5G High Speed Connection

The frequency of 5G 802.11n is more “clean”, release the burden of WLAN and bring the high speed experience.



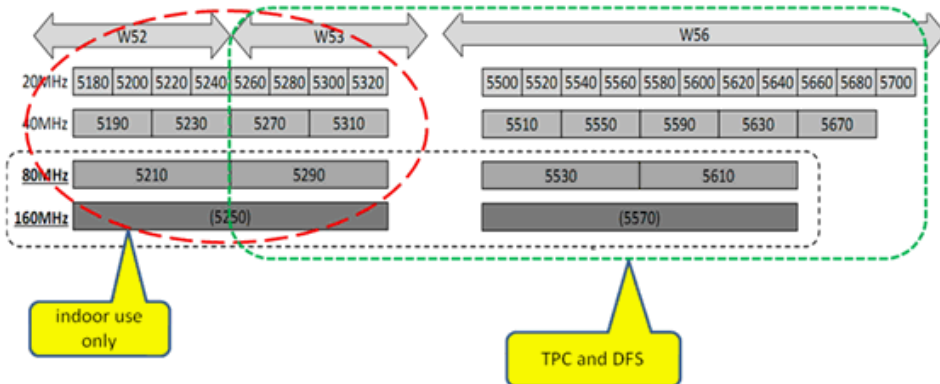
- The frequency of 802.11n contains 2.4G and 5G. While the existing 2.4G equipment more, frequency spectrum resource is very nervous, the WLAN network quality has no effective guarantee.

Indoor or Outdoor enjoying the high speed net —5G DFS

(DFS——dynamic frequency selection)

Both E5577 and E5372 can support Wi-Fi 2.4 G / 5 G, but 5G of E5577 support DFS, to be able to use more transmission channels, improve the user experience, and avoid the radar waves, etc

E5372 cannot support DFS, just can use W52 and W58 channel. E5577 can support DFS, so can have more channels to communication.



E5372

E5577

5G Channel Distributing Map



No matter Indoor or outdoor

No matter there is radar or not

You can enjoy high speed network freely

**E5577s-321/55577Cs-321 support DFS,
E5577s-932 can not support DFS**



E5577 — The whole day working

3000mAh

MORE POWER WITH HUAWEI POWER SAVING
TECHNOLOGY BY 30% MORE EFFICIENT, ENJOYING
WIFI LONGER



E5577 has bigger battery, working more time

E5577 has 3000mAh battery, LTE 12 h working time.600h standby time

(*Depending on the state of network and environment)

Prepare additional energy for mobile device

Rather than a mobile hotspot, E5577 can charge other devices as a backup battery.

Take E5577 with you
Enjoy Wi-Fi the whole day



Cell phone



MP3/4



Earphone

Output Voltage	5V
Maximum Output Current	1A
Interface	Micro USB 2.0 HS

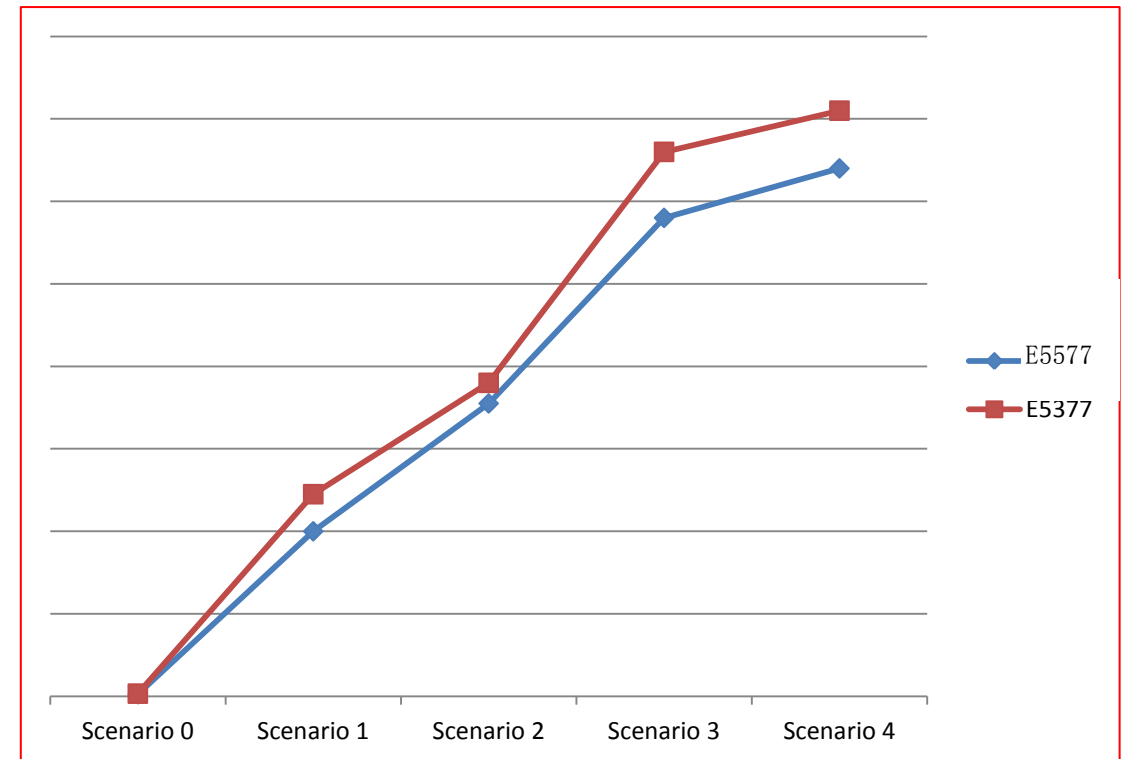
E5577 — Low power consumption

E5577—Lower power consumption



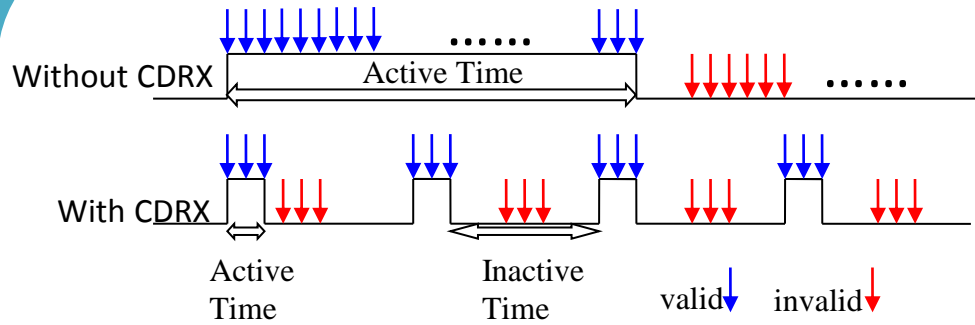
- E5577 can lower 20% power consumption in some certain condition .
- Lower power consumption, longer working time.

Scenario 0	Scenario 1	Scenario 2	Scenario 3	Scenario 4
Standby (Wi-Fi off)	browsing webpage	Video	Download	weak signal



E5577 — Low power consumption

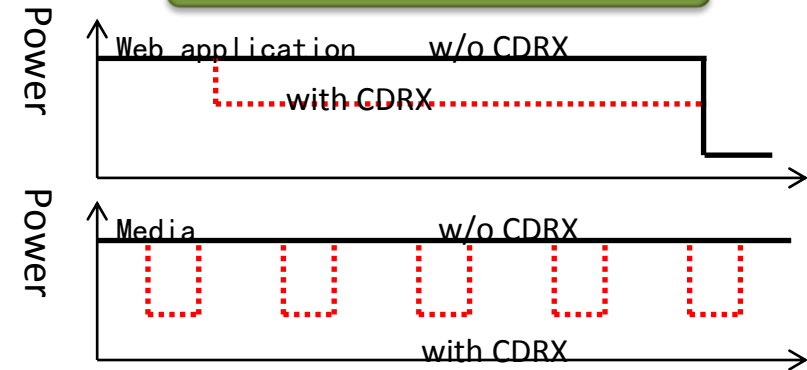
CDRX Technology



- ✓ CDRX (Connected Discontinuous Reception), namely the connected state discontinuous reception, refers to the UE only in the specific TTI will receive eNB data sent.
- ✓ Can maintain the terminal "always-on", namely UE can still keep in RRC Connected state, relative to the RRC IDLE state, to achieve fast response; at the same time as UE only in a particular TTI only on the monitoring data, the relative continuous monitoring means more power.

CDRX Off: : Working time 9h

CDRX Profit



- ✓ Web applications: such as QQ, micro- blog, its frequent switching characteristics apply to CDRX, use CDRX power can optimize for about 30% before.
- ✓ Media: data flow to maintain high speed and continuous features, using CDRX adapting its data source "burst" characteristics, can reduce the power consumption of about 30% before.

CDRX On : Working time 12h



SCREEN

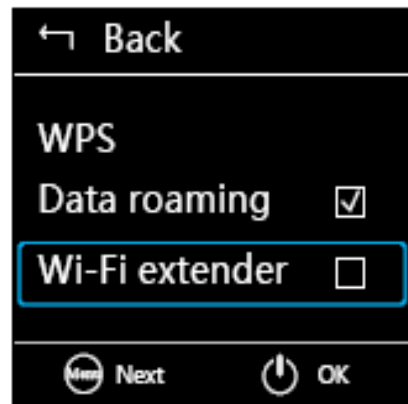
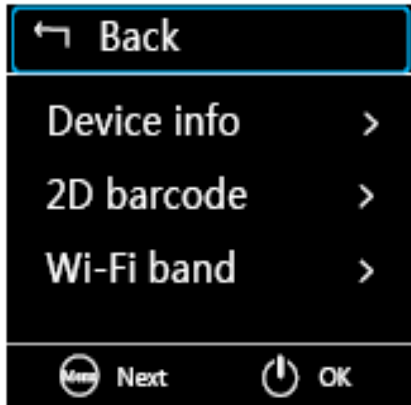
IMPORTANT INFORMATION WILL SHOW AT ONCE

E5577 — Interactive Menu UI

E5577 has 1.45' TFT LCD Interactive Menu UI which can display more content



Display UI



Multi-Languages



E5577 can support to customization 9 other languages (English, French, Portuguese (Portugal) and Portuguese (Brazil), Spanish (Spain), Spanish (Latin America), German, Russian, Italian)

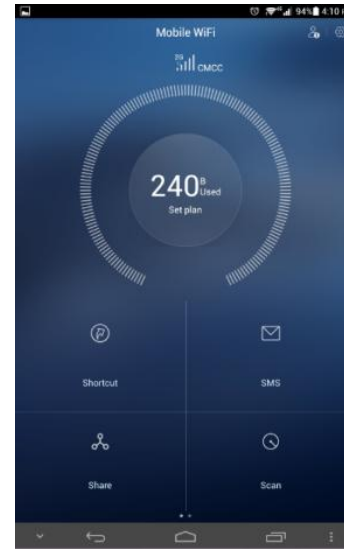
E5577 — Easy to Manage HiLink APP 3.0



- LTE E5 state reading
- SMS send/receive
- Wi-Fi device management
- Wi-Fi SSID、password management
- Media、software sharing by Wi-Fi



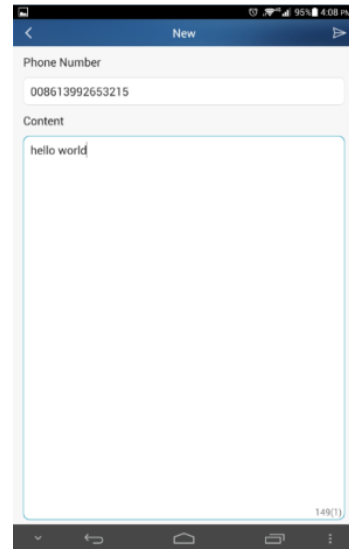
Volume



state



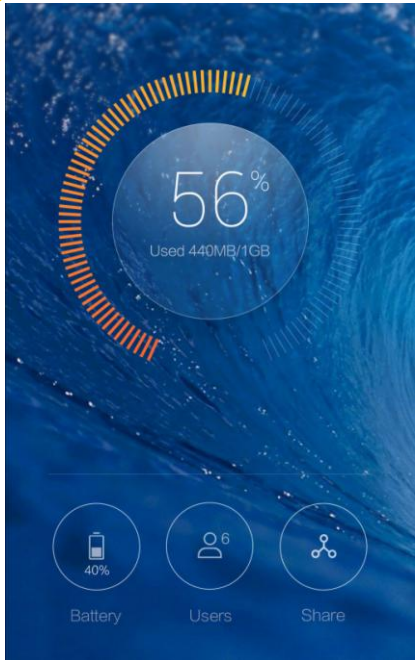
sharing



SMS

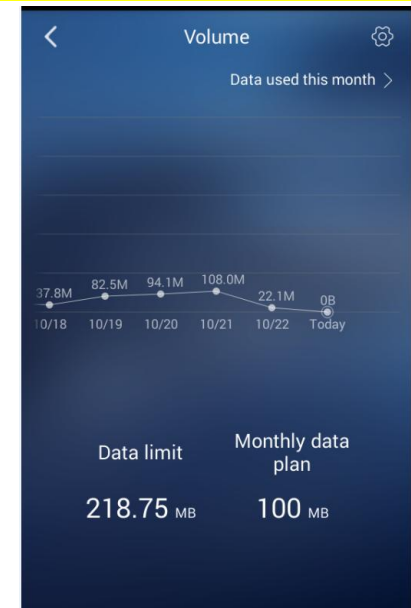


New in HiLink App 3.0

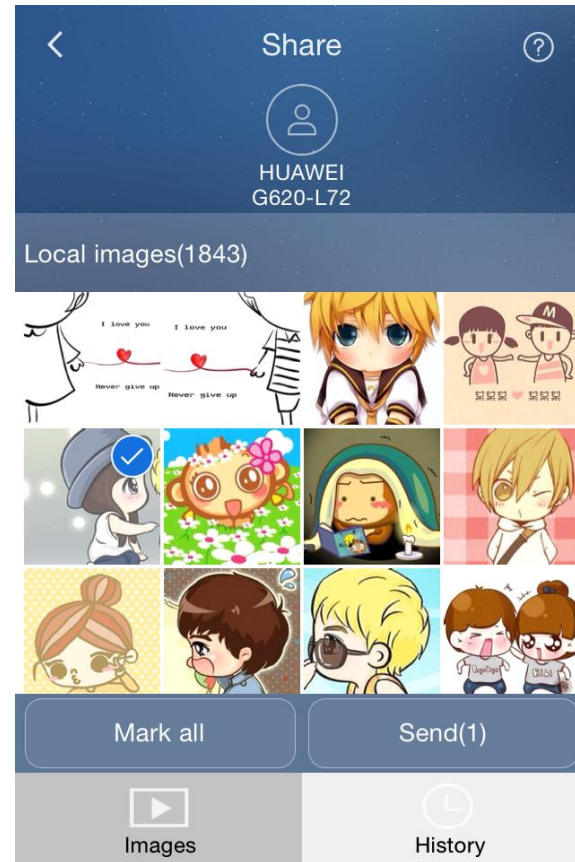
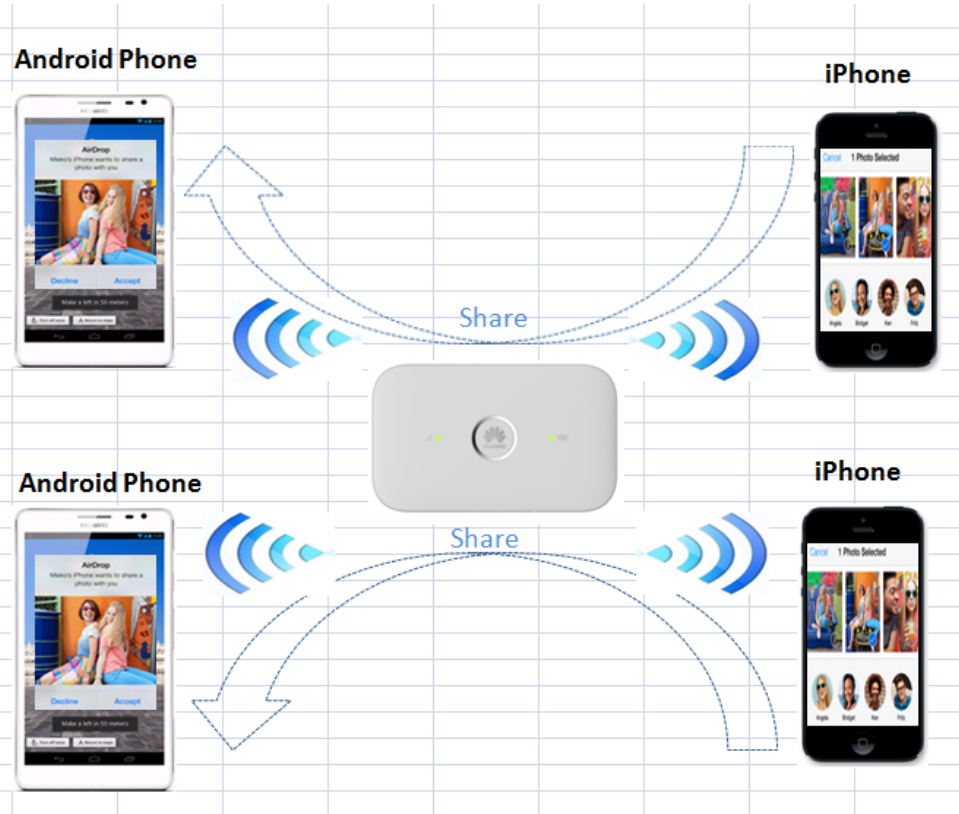


- 1、new face
- 2、Traffic statistic and over proof remind
- 3、new left traffic and left battery percent representation

Monthly Data set and statistic



New HiLink App 3.0 — Volume sharing



Volume sharing

Using Huawei HiLink App 3.0, it lets you quickly and easily "share" photos, apps between mobile phones accessed to the same Mobile WiFi (both android and iOS are supported). Just select the photo or app, and the person you want to share, then "send". It does the rest using Wi-Fi. No setup required, charge free, and transfers faster.

Others — RNDIS

1st generation

Physical ISO to store OEM's private host driver.

Users need to install it manually.



2nd generation

Virtual ISO to store OEM's private host drivers.
Using PnP, users need to click "OK", "next", ... to install it.



3rd generation

Not need OEM's private host driver.

Using RNDIS, users need to do nothing, faster and easier.

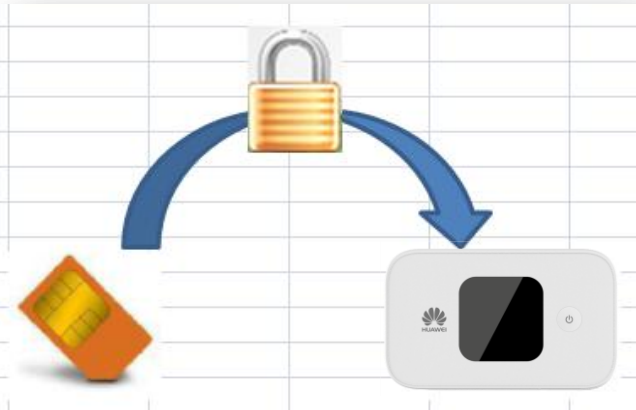


Using RNDIS, OEM's private drivers are not needed(for USB connection to laptop), easier setup and better experience.

Note: The Remote Network Driver Interface Specification (RNDIS) is a Microsoft proprietary protocol, it provides a virtual Ethernet link to most versions of the *Windows operating system*.

Others — Safer wifi network connection (customized function)

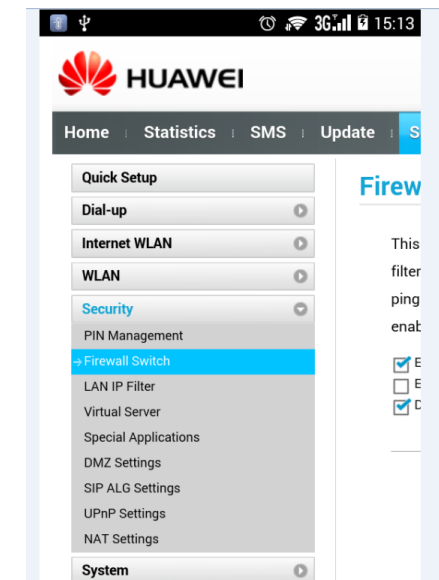
E5577— safer solution, secure using



- SIMLOCK: The Mobile Wi-Fi only works with the specified USIMs customized; with v3.0 algorithm, unlock code couldn't be deducted from physical ID.
- Digital Signature: Protect the software from tampering.

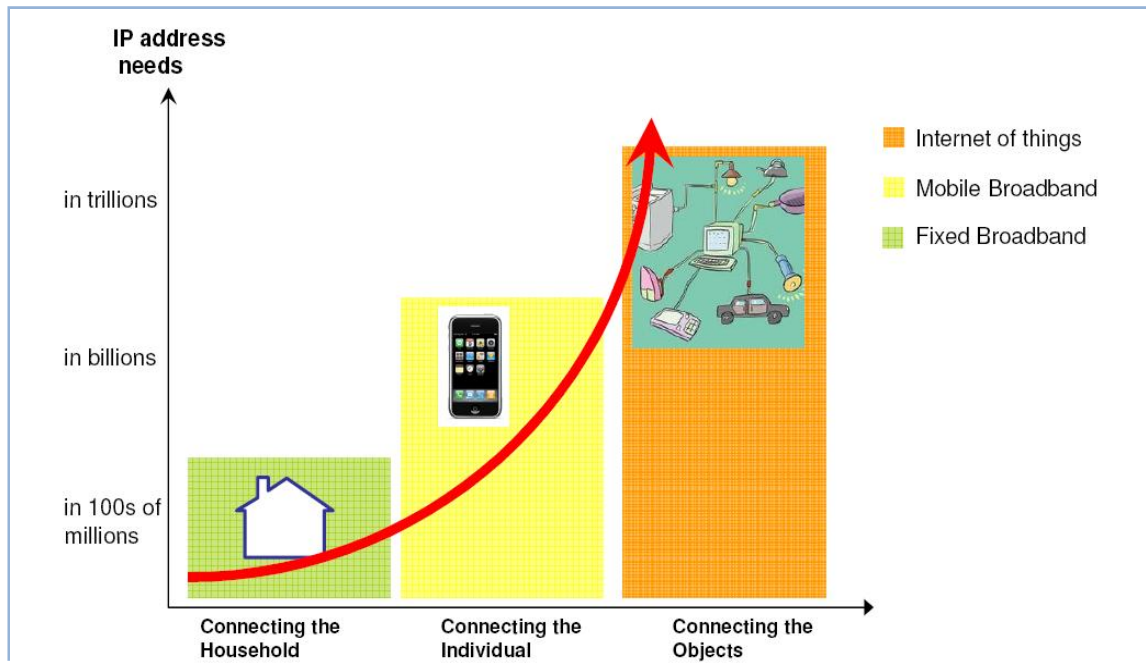


➤ Other "Security" features:

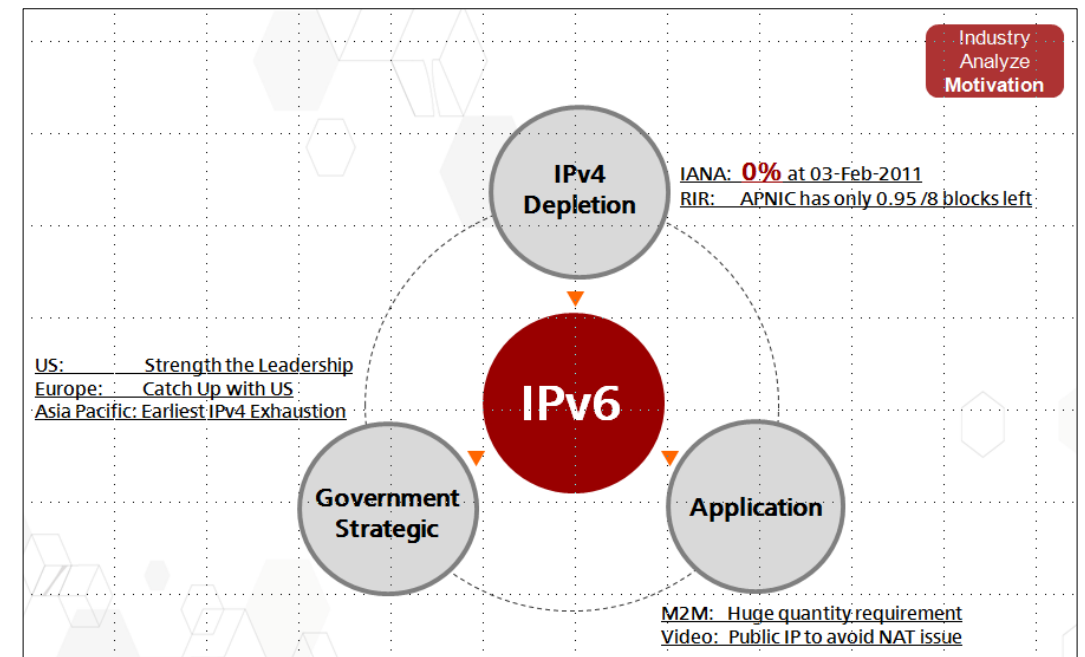


Others — IPV6 can be customized (customized function)

A Connected World



Drivers for IPv6



Most operators will face the IP Address Depletion in Near Future, IPv6 can be customized on E5577 to meet the customers' requirements.

Others — Wi-Fi Offload can be customized (customized function)

E5577 can customize Wi-Fi offload



Scenario1: Typical scene
Wi-Fi offload in indoor
and outdoor switch



Scenario2: Typical scene Wi-Fi offload
outdoor and operators hot switching



Scenario3: A typical Wi-Fi repeater in indoor scene

Wi-Fi Offload default turn off, it can be customized as deep customization depend on the network of operators



INCREDIBLE PERFORMANCE



HISILICON CHIPSET 711M

2
Wi-Fi
Antennas

150Mbps
LTE Cat4

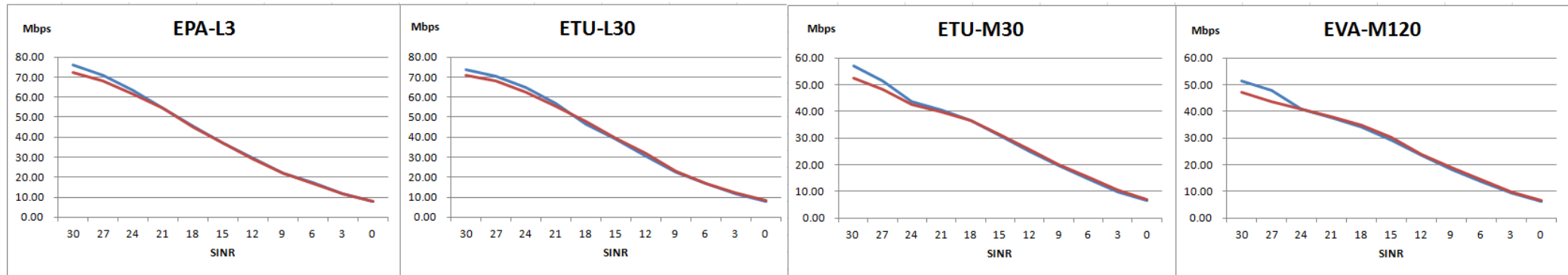
300Mbps
Max Wi-Fi
Speed

Balong 711 vs. Competitor—LTE-FDD Performance(1)

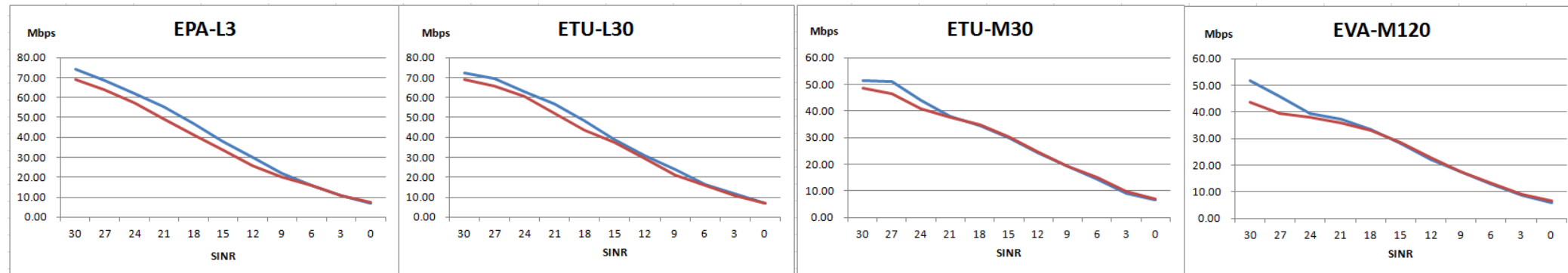
Test Cases: FDD-LTE DL performance at Fading propagation conditions with AWGN.

— Balong711 — Competitor xxxx

TM3



TM4



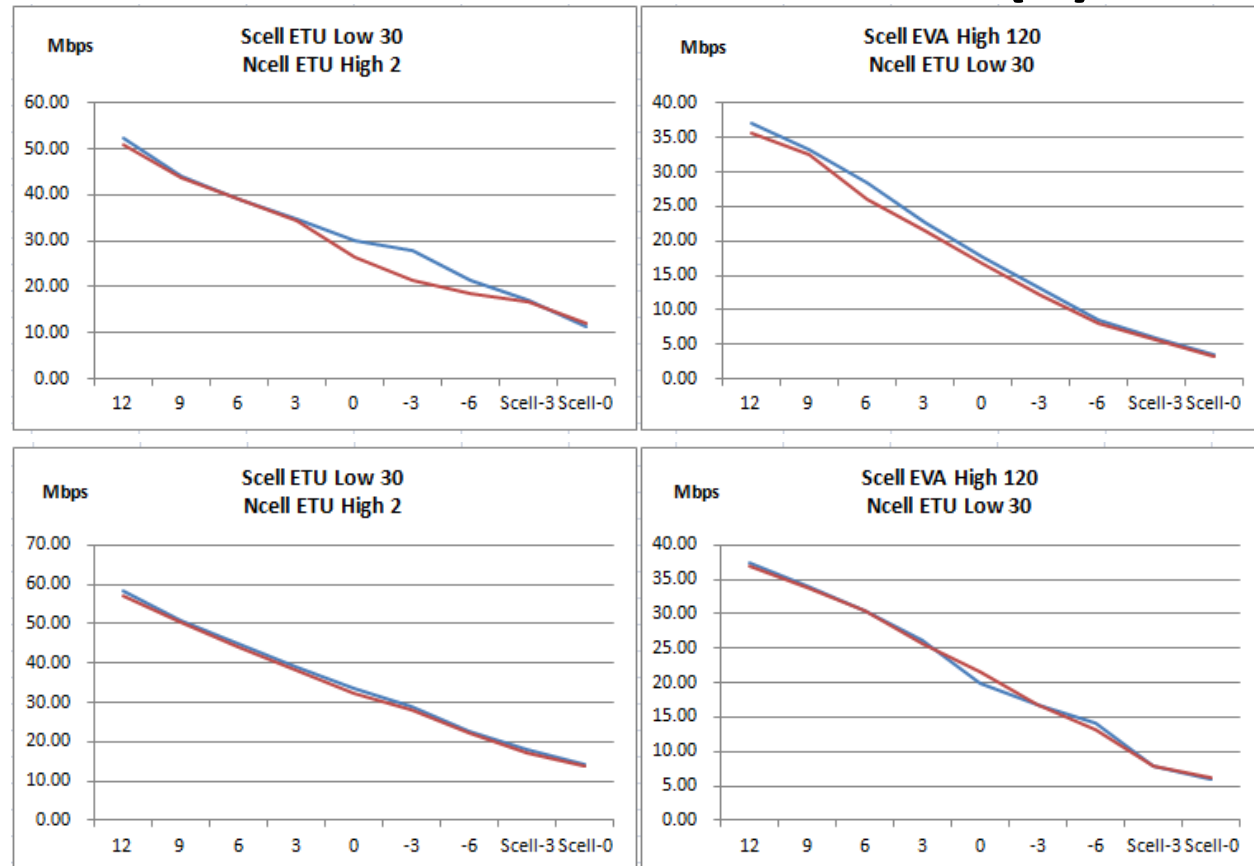
**In High SINR conditions, Balong711 performance is better than Competitor xxxx;
In Medium/Lower SINR conditions, Balong711 performance is equivalent to Competitor xxxx.**

Balong 711 vs. Competitor—LTE-FDD Performance(2)

DL Performance under intra-frequency interference with 100% load

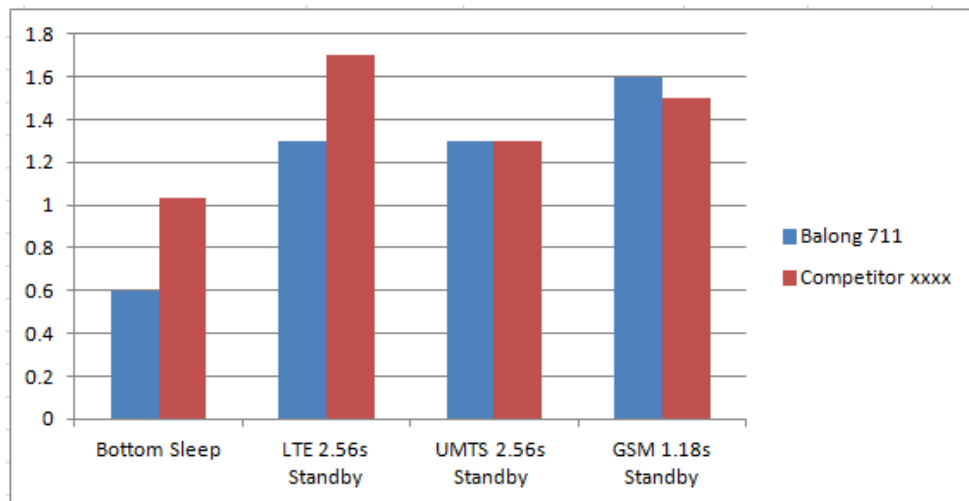
DL Performance under intra-frequency interference with 50% load

— Balong711 — Competitor xxxx

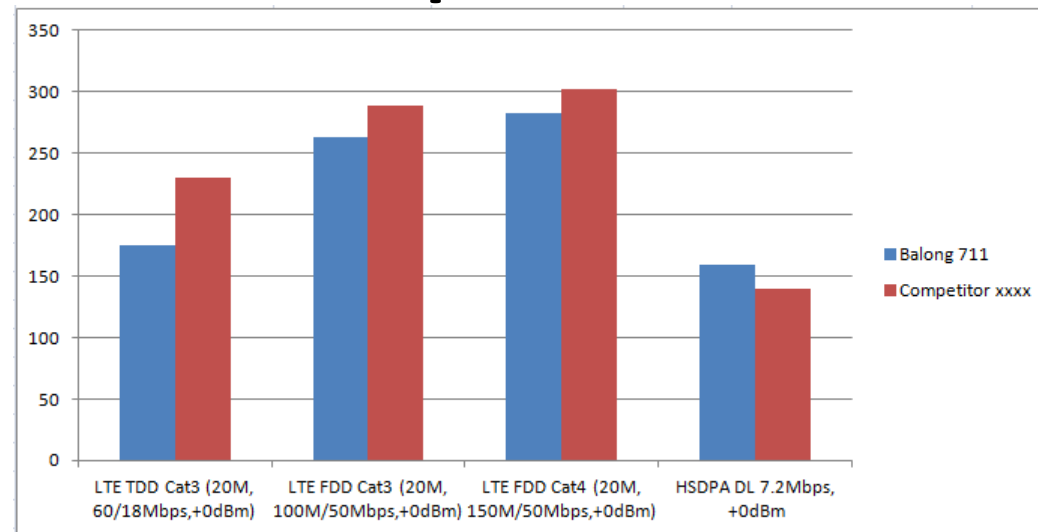


In most cases, the Balong711 IRC(Interference Rejection Combining) performance is better than Competitor.

Balong 711 vs. Competitor—Power Consumption



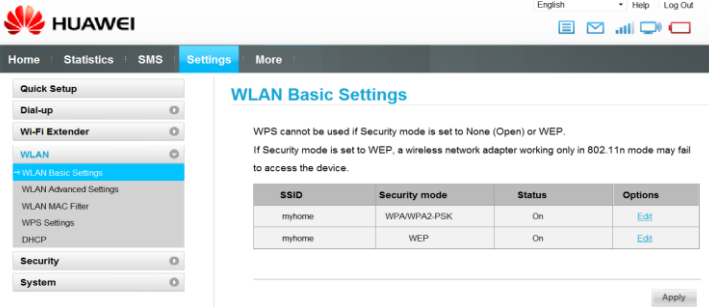
Use Cases	Balong711	Competitor xxxx
Bottom Sleep	★ 0.6	1.03
LTE 2.56s Standby	★ 1.3	1.7
UMTS 2.56s Standby	★ 1.3	1.3
GSM 1.18s Standby	1.6	1.5



Use Cases	Balong711	Competitor xxxx
LTE TDD Cat3 (20M, 60/18Mbps, +0dBm)	★ 175	230
LTE FDD Cat3 (20M, 100M/50Mbps, +0dBm)	★ 263	289
LTE FDD Cat4 (20M, 150M/50Mbps, +0dBm)	★ 283	302
HSDPA DL 7.2Mbps, +0dBm	159	140

In LTE standby and data transmission state, the Balong711 solution power consumption is lower than Competitor.

Other unusual customized functions——software

1	dual SSID	<p>One E5 device showed two hotspots (SSID), the user can optionally configure each hotspot name / password, such as family with one and a guest with the other one.</p> <p>PS : see diagram (configuration), it's belong to unusual customization: When you customize Wifi offload, you can not customize dual SSID</p>	
2	Dual IMSI switch	<p>In the two international network operators, according to the automatic selection of the IMSI location (identity international mobile subscriber identity code and the difference between mobile users), auto switch between the roaming and local number, saving cost.</p> <p>PS: the USIM card is required to support dual IMSI switching function. It's belong to unusual customization.</p>	
3	multi Language	<p>WebUI supports multiple languages to choose:</p> <p>Note: the default WEBUI supports 11 languages: English, French, German, Chinese - Spanish, Italian, Spanish, Russian, Portuguese - Portugal, Portuguese, Spanish - Brazil - Argentina, Arabic, customizable 41 languages.</p> <p>PS: the normal customization, has been reflected in the SBOM</p>	
4	auto APN	<p>According to the inserted SIM card automatic configuration parameters on the Internet (profile), without the need of customer service, also need not consult the meaning of parameters of the complex.</p> <p>PS: the normal customization, has been reflected in the SBOM</p>	
5	LCD SMS	<p>View the message content in the LCD, do not need to login WebUI or Mobile WiFi app, a more simple and quick operation. To see the last three text messages, customizable 9 languages: English, French, German, Spanish (Spain), Spanish (Latin America), Italian, Russian, Portuguese (Portugal) and Portuguese (Brazil). Note: unconventional customization.</p>	

Thank You