Product name	Confidentiality level
B310s-925	CONFIDENTIAL
Product version	Total 9 pages
V5.0	

B310s-925TCPU-V200R001B321D03SP01C1226

Release Notes

V5.0

Prepared by	jiaru	Date	2017-04-07
Reviewed by	jiaru	Date	2017-04-07
Approved by	jiaru	Date	2017-04-07

Huawei Technologies Co., Ltd.

Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2016-06-13	2.0	FW 21.316.01.00.1226	The 1st Version	Ye xinlei
2016/8/12	3.0	FW 21.316.01.01.1226	The 2nd Version	Guo xiaofei
2017/03/30	4.0	FW 21.321.03.00.1226	The 3th Version	HuBin
2017-04-07	5.0	FW 21.321.03.01.1226	The 4th Version	jiaru

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Abbreviations	Description

1   Main Features

The B310s-925 mainly supports the following features:

- LTE TDD (DL) data service of up to 112 Mbit/s

- LTE TDD (UL) data service of up to 10 Mbit/s

- Wi-Fi

- Support for HUAWEI Mobile WiFi App

- Press and Play

- IPv6v4 /IPv4 dual stack

- Built-in DHCP Server, DNS RELAY and NAT

- Online software upgrade

- Traffic statistic

- LED indicators

- Built-in LTE and WLAN high gain antenna LTE

- Windows XP SP3, Windows Vista SP1/SP2, Windows 7, Windows 8, Windows 8.1 (does not support Windows RT), MAC OS X 10.7, 10.8 and 10.9 with latest upgrades

2 Hardware

2.1 Version Description

Hardware Version: WL1B310CM (B310s-925)

Platform & Chipset: Balong Hi6921 & AR 8035

2.2 Hardware Specifications

Item	Specifications
Technical standard	WAN: LTE
	WLAN: IEEE 802.11b/g/n

Item	Specifications	
Operating frequency	LTE B38/B40	
	WLAN: 2.4 GHz	
Internal memory	512 MB Flash, 256 MB Memory	
Maximum transmitter power		
	WLAN	802.11b: 16 dBm
		802.11g: 12.5 dBm
		802.11n: 12.5 dBm
Receiver sensitivity		
	WLAN 802.11b	-76 dBm @11 Mbit/s
		-82 dBm @1 Mbit/s
	WLAN 802.11g: -65 dBm @54 Mbit/s	
	WLAN 802.11n: -64 dBm @65 Mbit/s	
WLAN speed	802.11b: Up to 11 Mbit/s	
	802.11g: Up to 54 Mbit/s	
	802.11n: HT40 MCS15(300Mbit/s), HT20 MCS15(144.4Mbit/s)	
Maximum power consumption	12 W	
Power supply	AC: 100–240 V	
	DC: 12 V, 1 A	
External interfaces	WAN/LAN: 1 RJ45,GE FXS:1 RJ11	
	SIM card interface: standard 6-pin SIM card interface	
Indicators	Mode:	cyan: 4G mode
		green:WAN mode
		Red: No SIM/USIM card is found, the PIN is not verified, or the SIM/USIM card is not working properly. Failed to connect to a mobile network
	Signal	One to three: Weak to Strong signal Off: out signal

Item	Specifications	
	WPS/WIFI	White Blink: WPS open
		White Steady
		On: 2.4G WiFi is opened
		Off: 2.4G WiFi is closed
	LAN	On/Off
	Power	On/Off
Button	Power switch, Reset switch, WPS switch	
Antenna	• Built-in LTE main diversity antenna • Built-in LTE diversity antenna • Built-in WLAN antenna	
Dimensions (D × W × H)	180 mm x126 mm x38mm	
Weight	about 500 g (Does not contain the power adapter)	
Temperature	Operating: 0℃ to +40℃	
	Storage: -20℃ to +70℃	
Humidity	5% to 95% (non-condensing)	

2.3   Improvements in the Previous Version

Index	Case ID	Issue Description
NA	1	Support VoLTE
NA	2	service domain set as PS Only
NA	3	nomal user account cannot visit below page： VOIP, TR069, Service Access Control
NA	4	senior Username:administrator senior Password:AU121BM213CH38E5

2.4   Known Limitations and Issues

Index	Case ID	Issue Description
NA		

3   Firmware

3.1   Version Description

Firmware Version: V200R001B321D03SP01C1226

Baseline information :   BalongV700R110C30B321

3.2   Firmware Specifications

Item	Description
Network connection setup	• APN management: create, delete and edit. • Set up network connection
WLAN setup	• SSID broadcasting and hiding • Open system and shared key authentication • ASCII and HEX keys • 64/128-bit WEP encryption • 256-bit WPA-PSK and WPA2-PSK encryption • AES encryption algorithm • TKIP and AES integrated encryption algorithm • Automatic adjustment of ratios • Display STA status • WLAN MAC filter

Item	Description
Firewall setup	• Firewall Switch • LAN IP Filter • Port Forwarding • DMZ Service
NAT setup	• CONE NAT • Symmetric NAT • ALG • VPN passthrough
DHCP setup	• DHCP server enabling and disabling • Address pool of the DHCP server setup • DHCP lease time setup
IPv6v4/IPv4 dual stack	DHCPv6/v4 server and client DNSv6/v4 server and client Display IPv6/v4 WAN address
Other	Network connection settings: • Automatic network selection and registration • Manual network selection and registration
	Network status display: signal, operator name, system mode, and so on.
	Selection of network connection types, for example: • Support LTE networks ON/OFF
	PIN management: activate/deactivate PIN, PIN lock, changing PIN, unblocking by using the PUK.
System requirement	• Windows XP SP3, Windows Vista SP1/SP2, Windows 7, Windows 8 (does not support Windows RT) • Mac OS X 10.6, 10.7 and 10.8 with latest upgrades • Your computer's hardware system should meet or exceed the recommended system requirements for the installed version of OS

3.3   Improvement in the Previous Version

Index	Feature Description
1	*New add TR069 parameters*
2	*Support ACL settings*
3	

3.4 Known Limitations and Issues

Index	Case ID	Issue Description
1	Unrealized Features	NA

4 WebUI/HiLink

4.1 Version Description

WebUI/HiLink Version:

4.2 WebUI/HiLink Specifications

Item	Specifications

4.3 Improvement in the Previous Version

Index	Case ID	Issue Description
1	New Features	*NA*
2		
3		

4.4 Known Limitations and Issues

Index	Case ID	Issue Description
1	Unrealized Features	NA

5 Software Vulnerabilities Fixes

Software/Module name	Version	CVE ID	Vulnerability Description	Solution
NA				Baseline already has finished developing with security issues, not relate to this one.