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B310As-852	CONFIDENTIAL
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V1.0	

B310As-852TCPU-V200R001B323D03SP00C1463

Release Notes

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Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2017-06-21	1.0	FW21.323.03.00.1463	The 1 st Version	songliping

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B310As-852TCPU-V200R001B323D03SP00C1463 Release Notes

Abbreviations	Description

1 Main Features

The B310As-852 mainly supports the following features:

- LTE FDD (DL) data service of up to 150 Mbit/s
- LTE FDD (UL) data service of up to 50 Mbit/s
- LTE TDD (DL) data service of up to 112 Mbit/s
- LTE TDD (UL) data service of up to 10 Mbit/s
- PS domain data service based on LTE/TDS-CDMA
- SMS based on PS domain of TDS-CDMA, PS domain of LTE
- 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
- 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 (B310As-852)
Platform & Chipset:	Balong Hi6921 & AR 8035

2.2 Hardware Specifications

Item	Specifications	
Technical standard	WAN: LTE	
	WLAN: IEEE 802.11b/g/n	
Operating frequency	TDD B38/B39/B40/B41 FDD B7	
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	LTE: Confirm to 3GPP Requirements	
	WLAN 802.11b	-76 dBm@11 Mbit/s
		-82 dBm@1 Mbit/s
	WLAN 802.11g: -65 dBm@54 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	
	SIM card interface: standard 6-pin SIM card interface	
Indicators	Mode:	cyan: 4G mode blue: 3G 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	<ul style="list-style-type: none"> Built-in TDs-CDMA/LTE main diversity antenna Built-in TDs-CDMA/LTE diversity antenna Built-in WLAN antenna 	
Dimensions (D x W x H)	180 mm x126 mm x38mm	
Weight	about 226 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		

2.4 Known Limitations and Issues

Index	Case ID	Issue Description
NA		

3 Firmware

3.1 Version Description

Firmware Version:	21.323.03.00.1463
Baseline information	BalongV700R110C30B323

3.2 Firmware Specifications

Item	Description
SMS	<ul style="list-style-type: none">• Writing/Sending/Receiving• Sending/Receiving extra-long messages• Storage: Up to 500 messages can be saved in the internal memory• New message prompt
Network connection setup	<ul style="list-style-type: none">• APN management: create, delete and edit.• Set up network connection
WLAN setup	<ul style="list-style-type: none">• 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
Firewall setup	<ul style="list-style-type: none">• Firewall Switch• LAN IP Filter• Virtual Server• DMZ Service
NAT setup	<ul style="list-style-type: none">• CONE NAT• Symmetric NAT• ALG• VPN passthrough
DHCP setup	<ul style="list-style-type: none">• 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

Item	Description
Other	Network connection settings: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Support LTE networks ON/OFF
	PIN management: activate/deactivate PIN, PIN lock, changing PIN, unblocking by using the PUK.
System requirement	<ul style="list-style-type: none"> • 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	Case ID	Issue Description
1	problem	Solve V4 card encryption requirement

3.4 Known Limitations and Issues

Index	Case ID	Issue Description
1	Unrealized Features	NA

4 WebUI

4.1 Version Description

WebUI Version: 17.100.09.00.03

4.2 WebUI/HiLink Specifications

Item	Specifications
NA	

4.3 Improvement in the Previous Version

Index	Case ID	Issue Description
1	New Features	NA

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.