

Product name	Confidentiality level
E3533s-2	CONFIDENTIAL
Product version	Total 7 pages
V200R002	

E3533s-2TCPU-22.318.27.00.893

Release Notes

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Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2014-05-12	1.0	FW V200R002B318D27SP00C893	Build 1.1 Version	hanhaijun

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Abbreviations	description
3GPP	The 3rd Generation Partnership Project
EDGE	Enhanced GPRS
LED	Light-emitting diode
SIM	Subscriber identity module
TS	Technical specification
USIM	UMTS subscriber identity module
MBIM	Mobile Broadband Interface Model

1 Main Features

The E3533s-2(W2100/W900) supports the following standards:

- HSPA+/HSDPA/HSUPA/WCDMA 2100/900/
and GSM/GPRS/EDGE 850/900/1800/1900 MHz
- HSPA+/HSDPA packet data service of up to 21.6 Mbit/s
- HSUPA packet data service of up to 5.76 Mbit/s
- WCDMA PS domain data service of up to 384 Kbit/s
- EDGE packet data service of up to 236.8 Kbit/s
- GPRS packet data service of up to 85.6 Kbit/s
- SMS based on CS/Packet Switched (PS) domain of GSM and WCDMA, supporting group sending of messages
- Plug and play (PnP)
- Standard USB interface, auto installation
- USB Stick, easy to connect
- HiLink features (Driverless, Zero installation, Auto connect)

2 Hardware

2.1 Version Description

Hardware Version:
CH1E3533SM
Platform & Chipset:
Balong V3R3
BB Hi6758
PMU Hi6561
RFIC Hi6361

2.2 Hardware Specifications

Item	Specifications
Technical standard	<ul style="list-style-type: none"> • HSPA+/HSDPA/ WCDMA R7 • HSUPA R6 • GSM/GPRS/EGPRS R99
Operating frequency	<p>HSPA+/HSDPA/HSUPA/ WCDMA 2100 MHz:</p> <ul style="list-style-type: none"> • Uplink: 1920–1980 MHz • Downlink: 2110–2170 MHz <p>HSPA+/HSDPA/HSUPA/ WCDMA 900 MHz:</p> <ul style="list-style-type: none"> • Uplink: 880–915 MHz • Downlink: 925–960 MHz <p>GSM/GPRS/EDGE 850 MHz:</p> <ul style="list-style-type: none"> • Uplink: 824–849 MHz • Downlink: 869–894 MHz <p>GSM/GPRS/EDGE 900 MHz:</p> <ul style="list-style-type: none"> • Uplink: 880–915 MHz • Downlink: 925–960 MHz <p>GSM/GPRS/EDGE 1800 MHz:</p> <ul style="list-style-type: none"> • Uplink: 1710–1785 MHz • Downlink: 1805–1880 MHz <p>GSM/GPRS/EDGE 1900 MHz:</p> <ul style="list-style-type: none"> • Uplink: 1850–1910 MHz • Downlink: 1930–1990 MHz
External interfaces	USB interface: USB 2.0 high-speed interface
	LED: indicating the status of the network
	SIM/USIM card: standard 6-pin SIM card interface
Maximum transmitter power	HSPA+/HSDPA/HSUPA/ WCDMA 2100/900MHz: +22 dBm (Power Class 3)
	GSM/GPRS 850/900 MHz: +33 dBm (Power Class 4)
	GSM/GPRS 1800 MHz/1900 MHz: +30 dBm (Power Class 1)
	EDGE 850/900MHz: +27 dBm (Power Class E2)
	EDGE 1800MHz/1900MHz: +26 dBm (Power Class E2)
Static receiver sensitivity	HSPA+/HSDPA/HSUPA/WCDMA 2100/900MHz: compliant with 3GPP TS 25.101 (R7)
	GSM/GPRS/EDGE 850/900/1800/1900 MHz: compliant with 3GPP TS 05.05 (R99)
Maximum power consumption	2.5W
Power supply	5 V/500 mA (USB interfaces)
Dimensions (D × W × H)	67.5*25.5*7.0mm
Weight	<30g

Item	Specifications
Note: 3GPP = The 3rd Generation Partnership Project EDGE = enhanced GPRS LED = light-emitting diode SIM = subscriber identity module TS = technical specification USIM = UMTS subscriber identity module	

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: 22.318.27.00.893
Baseline information Balong V3R3C10B180

USB PID/VID:
Switch Before :
MBIM: 12D1/0x15CD
No MBIM 12D1/0x15CA
Switch After: 12D1/1506

Upgrade tools: 31.112.0.0

3.2 Firmware Specifications

Item	Specifications
1	NONE



3.3 Improvement in the Previous Version

Index	Case ID	Issue Description
NA	New Features	Use Nv50071 to control the Switch Before PID

3.4 Known Limitations and Issues

Index	Case ID	Issue Description
1		Close MBIM function