

Product name	Confidentiality level
E5220s	CONFIDENTIAL
Product version	Total 8 pages
V1.0	

HUAWEI E5220s Firmware Release Notes

V1.0

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Approved by		Date	



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Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2012-11-15	1.0	FW:21.143.01.00.00 WebUI:12.001.29.00.03	<i>First Version</i>	E5220 Team
2013-01-07	1.1	FW:21.143.03.00.00 WebUI:12.001.30.00.03		E5220 Team
2013-01-30	1.2	FW:21.143.05.00.00 WebUI:12.001.30.00.03		E5220 Team
2013-02-26	1.3	FW:21.143.07.00.00 WebUI:13.100.02.01.03		E5220 Team
2013-02-26	1.4	FW:21.143.09.00.00 WebUI:13.100.02.02.03		E5220 Team
2013-03-29	1.5	FW:21.143.11.00.00 WebUI:13.100.02.02.03		E5220 Team
2013-09-18	1.6	FW:21.143.15.00.00 WebUI:13.100.02.03.03		E5220 Team
2013-10-30	1.7	FW:21.143.17.00.00 WebUI:13.100.02.03.03		E5220 Team
2014-2-17	1.8	FW:21.143.19.00.00 WebUI:15.100.09.00.03		E5220 Team
2014-3-26	1.9	FW:21.143.21.00.00 WebUI:16.100.05.00.03		E5220 Team
2014-4-22	2.0	FW:21.146.23.00.00 WebUI:16.100.05.00.03		E5220 Team
2014-09-01	2.1	FW:21.146.25.00.00 WebUI:17.100.05.00.03		E5220 Team
2014-10-10	2.2	FW:21.146.27.00.00 WebUI:17.100.05.00.03		E5220 Team

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Abbreviations	Description

1 Main Features

The E5220s supports the following standards:

- HSPA+ (DL) data service of up to 21.6 Mbit/s
- HSPA+ (UL) data service of up to 5.76 Mbit/s
- HSDPA (DL) data service of up to 14.4 Mbit/s
- HSUPA (UL) data service of up to 5.76 Mbit/s
- UMTS data service of up to 384 kbit/s
- EDGE data service of up to 236.8 kbit/s
- GPRS data service of up to 85.6 kbit/s
- PS domain data service based on UMTS and GSM
- SMS based on CS/PS domain of GSM and UMTS
- Wi-Fi
- Five-second fast boot(optional)
- Plug and Play (PnP)
- 3G/Wi-Fi auto offload(optional)
- IPv6 /IPv4 dual stack (optional)
- Built-in DHCP Server, DNS RELAY and NAT
- Online software upgrade
- Traffic statistic
- Standard Micro USB interface
- LED indicators
- Built-in UMTS and WLAN high gain antenna
- Support for HUAWEI Mobile WIFI app
- Windows XP, Windows Vista, Windows 7, Windows 8, MAC OS X 10.5, 10.6, 10.7 and 10.8



2 Hardware

2.1 Version Description

Hardware Version:

E5220s-1	CH1E5220SM02
E5220s-2	CH1E5220SM
E5220s-6	CH1E5220SM01
E5220s-81	CH1E5220SM81

Platform & Chipset: Balong Hi6760 &Broadcom 43362

2.2 Hardware Specifications

Item	Specifications	
Technical standard	<ul style="list-style-type: none">• WAN: HSPA+/HSPA/UMTS/EDGE/GPRS/GSM• WLAN: IEEE 802.11b/g/n	
Operating requency	E5220s-1: HSPA+/HSPA/UMTS: 2100 MHz	
	E5220s-2: HSPA+/HSPA/UMTS: 2100/900 MHz	
	E5220s-6: HSPA+/HSPA/UMTS: 2100/1900/850 MHz	
	E5220s-81: HSPA+/HSPA/UMTS: 2100/1900/900 MHz	
	EDGE/GPRS/GSM: 1900/1800/900/850 MHz	
	WLAN: 2400–2483.5 MHz	
Internal memory	128 MB Flash, 64 MB Memory	
Maximum transmitter power	UMTS: 24 (+1/-3) dBm	
	WLAN	802.11b: 14 (+/-3) dBm
		802.11g: 11 (+/-3) dBm
		802.11n: 9 (+/-3) dBm
Receiver sensitivity	UMTS: -106 dBm	
	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	

Item	Specifications
	802.11n: Support MCS0–MCS7; Up to 72.2 Mbit/s.
Maximum power consumption	3.5 W
Power supply	<ul style="list-style-type: none">• AC: 100–240 V• DC: 5 V, 1A
Battery	<ul style="list-style-type: none">• Type: Li (Rechargeable)• Capacity: 3.7 V, 1150 mAh• Maximum working time: 4 hours• Maximum standby time: 200 hours while Wi-Fi is off; 23 hours while Wi-Fi is often on.
External interfaces	USB interface: Micro USB
	SIM card: standard 6-pin SIM card interface
Indicators	LED indicators: Signal, Wi-Fi, Battery, SMS
Button	Power switch, Reset switch
Antenna	<ul style="list-style-type: none">• Built-in GSM/UMTS main diversity antenna• Built-in UMTS diversity antenna• Built-in WLAN antenna
Dimensions (D × W × H)	90.5mm×56 mm×14.4mm
Weight	about 66 g (including the battery)
Temperature	<ul style="list-style-type: none">• Operating: 0°C to +35°C• Storage: -20°C to +60°C
Humidity	5% to 95% (non-condensing)

3 Firmware

3.1 Version Description

Firmware Version: 21.146.27.00.00
Baseline information : BalongV300R002C30B106

3.2 Firmware Specifications

Item	Specifications
Technical standard	<ul style="list-style-type: none">• 3GPP R99/R5/R6/R7• WiFi<ul style="list-style-type: none">802.11b: Up to 11 Mbit/s802.11g: Up to 54 Mbit/s802.11n: Support MCS0–MCS7; Up to 72.2 Mbit/s.
SMS	<ul style="list-style-type: none">• UMTS/GSM Short Message Service
Data service	<ul style="list-style-type: none">• EDGE: 236.8 Kbit/s• HSPA: 14.4Mbit/s• HSPA+:21.6Mbit/s

3.3 Improvement in the Previous Version

Index	Case ID	Issue Description
1		

3.4 Known Limitations and Issues

Index	Case ID	Issue Description
NA		

4 WebUI

4.1 Version Description

WebUI: 17. 100. 05. 00. 03

4.2 WebUI Specifications

Item	Specifications
NA	NA



4.3 Improvement in the Previous Version

Index	Case ID	Issue Description
NA		

4.4 Known Limitations and Issue

Index	Case ID	Issue Description
NA		