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# E3131i-81TCPU-21.521.31.00.00

## Release Notes

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## Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2015-1-22	1.0	FW V200R001B521D31SP00C00	Build 1.1 Version	Liuchengwei

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## E3131i-81TCPU-21.521.31.00.00 Release Notes

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

### 1 Main Features

The E3131i-81( W2100/W1900/W900) supports the following standards:

- HSPA+/HSDPA/HSUPA/WCDMA 2100/1900/900/ 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)
- Micro Secure Digital Memory Card up to 32GB
- 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:  
CU1E3131IM.VER A  
Platform & Chipset:  
Balong V3R3M  
BB : Hi6758M  
RFIC: Hi6361, Hi6361s

## 2.2 Hardware Specifications

Item	Specifications
Technical standard	<ul style="list-style-type: none"> <li>• HSPA+/HSDPA/ WCDMA R7</li> <li>• HSUPA R6</li> <li>• GSM/GPRS/EGPRS R99</li> </ul>
Operating frequency	<p>HSPA+/HSDPA/HSUPA/ WCDMA 2100 MHz:</p> <ul style="list-style-type: none"> <li>• Uplink: 1920–1980 MHz</li> <li>• Downlink: 2110–2170 MHz</li> </ul> <p>HSPA+/HSDPA/HSUPA/ WCDMA 1900 MHz:</p> <ul style="list-style-type: none"> <li>• Uplink: 1850–1910 MHz</li> <li>• Downlink: 1930–1990 MHz</li> </ul> <p>HSPA+/HSDPA/HSUPA/ WCDMA 900 MHz:</p> <ul style="list-style-type: none"> <li>• Uplink: 880–915 MHz</li> <li>• Downlink: 925–960 MHz</li> </ul> <p>GSM/GPRS/EDGE 850 MHz:</p> <ul style="list-style-type: none"> <li>• Uplink: 824–849 MHz</li> <li>• Downlink: 869–894 MHz</li> </ul> <p>GSM/GPRS/EDGE 900 MHz:</p> <ul style="list-style-type: none"> <li>• Uplink: 880–915 MHz</li> <li>• Downlink: 925–960 MHz</li> </ul> <p>GSM/GPRS/EDGE 1800 MHz:</p> <ul style="list-style-type: none"> <li>• Uplink: 1710–1785 MHz</li> <li>• Downlink: 1805–1880 MHz</li> </ul> <p>GSM/GPRS/EDGE 1900 MHz:</p> <ul style="list-style-type: none"> <li>• Uplink: 1850–1910 MHz</li> <li>• Downlink: 1930–1990 MHz</li> </ul>
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 2100/1900/900MHz: +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 2100/1900/900MHz: 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)



Item	Specifications
Dimensions (D × W × H)	85.4X27X12.5mm
Weight	<30g
<b>Note:</b> <i>3GPP = The 3rd Generation Partnership Project</i> <i>EDGE = enhanced GPRS</i> <i>LED = light-emitting diode</i> <i>SIM = subscriber identity module</i> <i>TS = technical specification</i> <i>USIM = UMTS subscriber identity module</i>	

## 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: 21.521.31.00.00  
Baseline information : Balong V3R3C50B210  
Windows Driver Version : 5.05.02.00  
MAC Driver Version : 5.01.09.00  
Linux Driver Version : 4.19.22.00  
USB PID/VID:  
Switch Before :  
MBIM : 12D1/0x15CD  
No MBIM: 12D1/0x15CA,  
Switch After: 12D1/1506  
  
Upgrade tools: 31.116.0.0  
Autorun: 2.0.0.62

### 3.2 Firmware Specifications

Item	Specifications
1	支持安全升级

### 3.3 Improvement in the Previous Version

Index	Case ID	Issue Description
NA		

### 3.4 Known Limitations and Issues

Index	Case ID	Issue Description
NA		