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E3531s	CONFIDENTIAL
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V200R001	

E3531TCPU-21.318.29.00.174

## Release Notes

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## Revision History

Date	Revision Version	Change Description	Author
2014-8-12	1.00	Initial	E3531s team



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## E3531TCPU-21.318.29.00.174 Release Notes

### 1 Main Features

The E3531s supports the following standards:

- 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
- Plug and play (PnP)
- USSD Service
- Micro Secure Digital Memory Card up to 32GB

### 2 Hardware

#### 2.1 Version Description: CH1E3531SM

#### 2.2 Hardware specifications

Item	Specifications
Technical standard	<ul style="list-style-type: none"><li>• WCDMA /HSPA+/HSDPA</li><li>• HSUPA</li><li>• GSM/GPRS/EGPRS</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
	SD card interface: Standard micro SD card interface
Maximum transmitter power	HSPA+/HSDPA/HSUPA/ WCDMA: +22 dBm (Power Class 3)
	GSM/GPRS 850/900 MHz: +32 dBm (Power Class 4)
	GSM/GPRS 1800 MHz/1900 MHz: +29 dBm (Power Class 1)
	EDGE 850/900MHz: +26 dBm (Power Class E2)
	EDGE 1800MHz/1900MHz: +25 dBm (Power Class E2)
Static receiver sensitivity	HSPA+/HSDPA/HSUPA/WCDMA compliant with 3GPP TS 25.101 (R7)
	GSM/GPRS/EDGE 850/900/1800/1900 MHz: compliant with 3GPP TS 05.05 (R99)

Item	Specifications
Dimensions (D × W × H)	84.37X27.06X10.55mm
Weight	< 30 g
<b>Note:</b> 3GPP = The 3rd Generation Partnership Project LED = light-emitting diode SIM = subscriber identity module TS = technical specification USIM = UMTS subscriber identity module	

### 2.3 Improvements in the previous version

Add AT^EONS = 5 New Features.

### 2.4 Known limitations and issues

None.

## 3 Firmware

### 3.1 Version Description: 21.318.29.00.174

### 3.2 Software specifications

Item	Specifications
Data service	GPRS: <ul style="list-style-type: none"> <li>Uplink: 85.6 kbit/s</li> <li>Downlink: 85.6 kbit/s</li> </ul> EDGE: <ul style="list-style-type: none"> <li>Uplink: 236.8 kbit/s</li> <li>Downlink: 236.8 kbit/s</li> </ul> WCDMA PS domain: <ul style="list-style-type: none"> <li>Uplink: 384 kbit/s</li> <li>Downlink: 384 kbit/s</li> </ul> HSPA+/HSDPA: <ul style="list-style-type: none"> <li>21.6 Mbit/s</li> </ul> HSUPA: <ul style="list-style-type: none"> <li>5.76 Mbit/s</li> </ul>
SMS	Based on CS domain/PS domain of GSM and WCDMA



### 3.3 New features

No.	Description

### 3.4 Improvements in the previous version

Version	Description
21.318.29.00.174	Add AT^EONS = 5 New Features.

### 3.5 Known limitations and issues

No.	Description