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|-----------------|-----------------------|
| Product name    | Confidentiality level |
| E5786s-32a      | CONFIDENTIAL          |
| Product version | Total 8 pages         |
| V1.6            |                       |

HUAWEI E5786s-32aTCPU-V200R001B280D99SP13C00

## Release Notes V1.6

|             |                 |      |           |
|-------------|-----------------|------|-----------|
| Prepared by | E5786s-32a Team | Date | 2014/9/17 |
| Reviewed by | E5786s-32a Team | Date | 2014/9/17 |
| Approved by | E5786s-32a Team | Date | 2014/9/17 |



Huawei Technologies Co., Ltd.



## Revision Record

| Date      | Revision version | FW-WebUI/HiLink Version | Change Description          | Author          |
|-----------|------------------|-------------------------|-----------------------------|-----------------|
| 2014/2/25 | 1.0              | FW 21.280.99.00.00      | The 1 <sup>st</sup> Version | E5786s-32a Team |
| 2014/4/10 | 1.1              | FW 21.280.99.01.00      | The 2 <sup>st</sup> Version | E5786s-32a Team |
| 2014/5/9  | 1.2              | FW 21.280.99.05.00      | The 3 <sup>st</sup> Version | E5786s-32a Team |
| 2014/5/27 | 1.3              | FW 21.280.99.07.00      | The 4 <sup>st</sup> Version | E5786s-32a Team |
| 2014/5/27 | 1.4              | FW 21.280.99.09.00      | The 5 <sup>st</sup> Version | E5786s-32a Team |
| 2014/8/5  | 1.5              | FW 21.280.99.11.00      | The 6 <sup>st</sup> Version | E5786s-32a Team |
| 2014/9/17 | 1.6              | FW 21.280.99.13.00      | The 7 <sup>st</sup> Version | E5786s-32a Team |

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# HUAWEI E5786s-32aTCPU-V200R001B280D99SP13C00 Release Notes V1.6

| Abbreviations | Description |
|---------------|-------------|
|               |             |
|               |             |

## 1 Main Features

The E5786s-32a supports the following features:

- *LTE data service up to 300 Mbit/s(cat 6)/150 Mbit/s(cat 4)*
- *DC-HSPA+ data service up to 43.2 Mbit/s*
- *HSPA+ data service up to 21.6 Mbit/s*
- *HSDPA packet data service of up to 14.4 Mbit/s*
- *HSUPA data service up to 5.76 Mbit/s*
- *WCDMA PS domain data service of up to 384 Kbit/s*
- *Equalizer and receive diversity*
- *microSD Card Slot (Up to 32G)*
- *Data and SMS Service*
- *WEB UI, Auto connect*
- *Plug and play*
- *Nonstandard USB3.0 ,and USB2.0*
- *Support menu operation on LCD*
- *Support WiFi 2.4GHz/5GHz*

## 2 Hardware

### 2.1 Version Description

|                     |  |
|---------------------|--|
| Hardware Version:   | CL3E5786SM                             |
| Platform & Chipset: | Balong Hi6930 V7R2M,<br>Broadcomm 4354 |

### 2.2 Hardware Specifications

| Item                | Specifications   |
|---------------------|--|
| Technical standard  | WAN: LTE/DC-HSPA+/HSPA+/HSPA/UMTS/EDGE/GPRS/GSM  |
|                     | WLAN: IEEE 802.11a/b/g/n/ac  |
| Operating frequency | LTE CA: <ul style="list-style-type: none"><li>• FDD 2600 MHz + 1800 MHz/1800 MHz + 800 MHz/2600 MHz + 800 MHz /2600 MHz intra-band contiguous/2100 MHz intra-band contiguous/1800 MHz intra-band contiguous</li><li>• TDD 2600 MHz intra-band contiguous</li></ul> |



| Item                      | Specifications  |   |
|---------------------------|---|---|
|                           | LTE:  |   |
|                           | <ul style="list-style-type: none"><li>FDD 2600/2100/1800/900/850/800 MHz</li><li>TDD 2600 MHz</li></ul> |   |
|                           | DC-HSPA+/HSPA+/HSPA/UMTS: 2100/1900/900/850 MHz   |   |
|                           | EDGE/GPRS/GSM: 1900/1800/900/850 MHz  |   |
|                           | WLAN: 2.4 GHz, 5 GHz  |   |
| Internal memory           | 128 MB NAND flash and 128 MB DDR SDRAM  |   |
| Maximum transmitter power | LTE: Conform to Power Class 3 Definition  |   |
|                           | UMTS: Conform to Power Class 3 Definition   |   |
|                           | WLAN  | 802.11a: 10 dBm   |
|                           |   | 802.11b: 12 dBm   |
|                           |   | 802.11g: 11 dBm   |
|                           |   | 802.11n: 10 dBm (2.4 GHz); 10 dBm (5 GHz)   |
|                           |   | 802.11ac: 10 dBm  |
| Receiver sensitivity      | LTE: Confirm to 3GPP Requirements   |   |
|                           | UMTS: Confirm to 3GPP Requirements  |   |
|                           | WLAN  | 802.11a: -65 dBm@54 Mbit/s  |
|                           |   | 802.11b: -76 dBm@11 Mbit/s  |
|                           |   | 802.11g: -65 dBm@54 Mbit/s  |
|                           |   | 802.11n: -64 dBm@65 Mbit/s  |
|                           |   | 802.11ac: -64 dBm@65 Mbit/s   |
| WLAN speed                | 802.11a: Up to 54 Mbit/s  |   |
|                           | 802.11b: Up to 11 Mbit/s  |   |
|                           | 802.11g: Up to 54 Mbit/s  |   |
|                           | 802.11n   | HT20: Support MCS0–MCS7; Up to 72.2 Mbit/s.<br>Support MCS8–MCS15; Up to 144.4 Mbit/s.<br>HT40: Support MCS0–MCS7; Up to 150 Mbit/s.<br>Support MCS8–MCS15; Up to 300 Mbit/s. |
|                           | 802.11ac: Up to 867 Mbit/s  |   |
| Maximum power consumption | 4 W   |   |
| Power supply              | AC: 100–240 V   |   |
|                           | DC: 5 V, 2 A  |   |

| Item                   | Specifications   |
|------------------------|--|
| Battery                | Type: Li (rechargeable and irremovable)  |
|                        | Capacity: 3.7 V, 3000 mAh  |
|                        | Maximum working time: 10 hours (depending on the network)                                |
|                        | Maximum standby time: 500 hours (depending on the network)                               |
| External interfaces    | Micro USB interface (supports USB 3.0; to be used with Huawei USB cables when available) |
|                        | Standard microSD card interface  |
|                        | Standard Micro 6-pin SIM card interface  |
|                        | External main diversity antenna interface  |
| Screen                 | TFT-LCD  |
| key-press              | Power switch, MENU switch, Reset switch  |
| Antenna                | Built-in LTE/UMTS/GSM main antenna   |
|                        | Built-in LTE/UMTS diversity antenna  |
|                        | Built-in WLAN antenna  |
| Dimensions (W × D × H) | 106.0 mm × 66.0 mm × 15.9 mm   |
| Weight                 | about 145 g (including the battery)  |
| Temperature            | Operating: 0°C to +35°C  |
|                        | Storage: -20°C to +60°C  |
| Humidity               | 5% to 95% (non-condensing)   |

## 2.3 Improvements in the Previous Version

| Index            | Case ID  | Issue Description |
|------------------|----------|-------------------|
| Hardware Version |          | CL3E5786SM Ver.A  |
| Previous Version | Hardware | CL3E5786SM Ver.A  |
| NA               |          |                   |

## 2.4 Known Limitations and Issues

| Index | Case ID | Issue Description |
|-------|---------|-------------------|
| NA    |         | NA                |



## 3 Firmware

### 3.1 Version Description

Firmware Version: 21.280.99.13.00  
Baseline information Hi6930 V7R2

### 3.2 Firmware Specifications

| Item | Specifications |
|------|----------------|
|      |                |
|      |                |

### 3.3 Improvement in the Previous Version

| Index                     | Case ID      | Issue Description |
|---------------------------|--------------|-------------------|
| Firmware Version          |              | 21.280.99.13.00   |
| Previous Firmware Version |              | 21.280.99.11.00   |
| 1                         | New Features |                   |
| 2                         |              |                   |
| 3                         |              |                   |

### 3.4 Known Limitations and Issues

| Index | Case ID | Issue Description                           |
|-------|---------|---|
| 1     |         | Wifi FW update (resolve WT RX lose package) |
| 2     |         | RF NV nodify                                |
| 3     |         | Opening SDIO time sequence learning         |

## 4 WebUI/HiLink

### 4.1 Version Description

WebUI/HiLink Version:

### 4.2 WebUI/HiLink Specifications

| Item | Specifications |
|------|----------------|
|      |                |
|      |                |



### 4.3 Improvement in the Previous Version

| Index                       | Case ID      | Issue Description |
|-----------------------------|--------------|-------------------|
| WebUI Version               |              |                   |
| Previous Version      WebUI |              |                   |
| 1                           | New Features |                   |
| 2                           |              |                   |
| 3                           |              |                   |

### 4.4 Known Limitations and Issues

| Index | Case ID             | Issue Description |
|-------|---------------------|-------------------|
| 1     | Unrealized Features |                   |
| 2     |                     |                   |
| 3     |                     |                   |

## 5 Accessory Product from other Vendor

### 5.1 Version Description

Accessory Product Version:

### 5.2 Known Limitations and Issues

## 6 Others

## 7 Reference