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|-----------------|-----------------------|
| Product name    | Confidentiality level |
| E3372h-510      | CONFIDENTIAL          |
| Product version | Total 8 pages         |
| V1.0            |                       |

HUAWEI E3372h TCPU-V200R002B317D01SP00C00

## Release Notes V12.0

|             |             |      |           |
|-------------|-------------|------|-----------|
| Prepared by | E3372h Team | Date | 2016/4/13 |
|-------------|-------------|------|-----------|



Huawei Technologies Co., Ltd.



## Revision Record

| Date       | Revision version | FW-WebUI/HiLink Version | Change Description | Author      |
|------------|------------------|-------------------------|--------------------|-------------|
| 2014-9-30  | 1.0              | FW 22.180.03.00.00      | First version      | Tanzhengbin |
| 2014-10-11 | 2.0              | FW 22.180.05.00.00      | Second version     | Tanzhengbin |
| 2014-11-11 | 3.0              | FW 22.180.09.00.00      | Third version      | Tanzhengbin |
| 2014-12-18 | 4.0              | FW 22.200.01.00.00      | Fourth version     | Tanzhengbin |
| 2014-12-28 | 5.0              | FW 22.200.03.00.00      | Fifth version      | Tanzhengbin |
| 2015-1-22  | 6.0              | FW 22.200.05.00.00      | Sixth version      | Tanzhengbin |
| 2015-4-8   | 7.0              | FW 22.200.07.00.00      | Seventh version    | Huwuming    |
| 2015-4-18  | 8.0              | FW 22.200.09.00.00      | Eighth version     | Huwuming    |
| 2015-6-19  | 9.0              | FW 22.200.13.00.00      | nineth version     | Liuhuan     |
| 2015-8-29  | 10.0             | FW 22.200.15.00.00      | MR version         | Liuhuan     |
| 2015-11-15 | 11.0             | FW 22.315.01.00.00      | MR version         | Liuhuan     |
| 2016-4-13  | 12.0             | FW 22.317.01.00.00      | MR version         | Liuhuan     |

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# HUAWEI E3372h TCPU-V200R002B317D01SP00C00 Release Notes V12.0

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

## 1 Main Features

The E3372h supports the following standards:

- LTE cat4 data service up to 150Mbit/s (Downlink) and 50Mbit/s(Uplink)
- 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
- Plug and play
- Standard USB interface
- CSFB

## 2 Hardware

### 2.1 Version Description

|                     |                       |
|---------------------|-----------------------|
| Hardware Version:   | CL2E3372HM Ver.A      |
| Platform & Chipset: | Balong Hi6921 V7R11M, |

### 2.2 Hardware Specifications

| Item                | Specifications   |
|---------------------|--|
| Hardware Version    | <ul style="list-style-type: none"><li>● CL2E3372HM</li></ul>   |
| Technical standard  | <ul style="list-style-type: none"><li>● LTE 3GPP R9</li><li>● HSPA+/UMTS: 3GPP R99/R5/R6/R7/R8</li><li>● GSM/GPRS/EDGE: 3GPP R99</li></ul> |
| External interfaces | USB: Type A with standard USB 2.0 High speed interface   |
|                     | LED: indicating the status of the Data Card  |
|                     | SD card: standard TF card interface  |
|                     | SIM/USIM card: standard 6-pin SIM card interface   |



| Item  | Specifications  |
|---|---|
|   | RF interface: external RF interface   |
| Maximum power consumption   | $\leq 3.5$ W  |
| Power supply  | 5V  |
| Dimensions (D × W × H)  | About 88mm(D) × 28mm(W) × 11.5mm (H)  |
| Weight  | $\leq 25$ g   |
| Temperature   | <ul style="list-style-type: none"><li>Operating: <math>-10^{\circ}\text{C}</math> to <math>+40^{\circ}\text{C}</math></li><li>Storage: <math>-20^{\circ}\text{C}</math> to <math>+70^{\circ}\text{C}</math></li></ul> |
| Humidity  | 5% to 95%   |
| Base Information  | <ul style="list-style-type: none"><li>Plug and play (PnP)</li></ul>   |
|   | <ul style="list-style-type: none"><li>Standard USB 2.0 High Speed interface, auto installation, convenient for use</li></ul>  |
| <b>Note:</b><br>3GPP = The 3rd Generation Partnership Project<br>TS = Technical Specification<br>LED = Light-Emitting Diode<br>SIM = Subscriber Identity Module<br>USIM = UMTS Subscriber Identity Module |   |
|   |   |

## 2.3 Improvements in the Previous Version

| Index                     | Case ID | Issue Description |
|---------------------------|---------|-------------------|
| Hardware Version          |         | CL2E3372HM Ver.A  |
| Previous Hardware Version |         | NA                |
| NA                        |         |                   |

## 2.4 Known Limitations and Issues

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

# 3 Firmware

## 3.1 Version Description

|                      |                 |
|----------------------|-----------------|
| Firmware Version:    | 22.317.01.00.00 |
| Baseline information | Hi6921 V7R11M   |



### 3.2 Firmware Specifications

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

### 3.3 Improvement in the Previous Version

| Index                            | Case ID          | Issue Description   |
|----------------------------------|------------------|---|
| <b>Firmware Version</b>          |                  | 22.317.01.00.00   |
| <b>Previous Firmware Version</b> |                  | 22.315.01.00.00   |
| 1                                | DTS2015102903212 | 【V711共性】伊拉克Fastlink反馈E5573s-320无法注册网络，坏件邮寄回研发后分析发现V7R11平台存在Dynamic PDM无法写入NV 0xD3E2问题   |
| 2                                | DTS2015120306645 | 【V711共性问题】升级失败，返回测试MT时网口不通，测试MMI灯不亮 BSN:433，整机条码：135  |
| 3                                | DTS2016010406583 | 【V711共性问题】【P711 R001】同步产品发现共性问题，当m3boot分区block1出现坏块时（block0厂家保证无故障，711平台软件对此不进行处理），单板启动失败；经排查，其为711平台共性问题，海思已提供验证后补丁，同步问题单合入。             |
| 4                                | DTS2016012604539 | 【v711 共性问题】按照定制需求打开/WebApp/common/config/deviceinformation/config.xml 配置文件中对应的RSSI，SINR，CELL ID中，发现api/device/signal 返回的psatt 和 mode 值反了  |
| 5                                | DTS2016021606935 | 【新需求】【V711共性问题】【B119一键升级工具】产品使用了B119的一键升级工具，则需要删除Resources\lang下的语言资源文件，否则在无法自适应的小语种下会默认显示为阿语   |
| 6                                | DTS2016030902113 | 【V711共性问题】【新需求】E5577CS-603产品的永久锁卡、增强c版本号校验的定制版本可以在解锁datalock情况下升级回通用版本，永久锁卡的simlock被破解，需优化安全升级1.3的校验流程。                                   |
| 7                                | DTS2016030905815 | 【euap LINUX-V100R007B100D14SP00C03】【一线问题0020906】: It's different from the specification in the timing of "notice message of New software" |
| 8                                | DTS2016032308094 | 【V711共性问题】【autorun的产品涉及】【安全】单板存在DLL劫持提权漏洞   |
| 9                                | DTS2016031808763 | 【V711共性问题】【安全问题】linux kernel漏洞CVE-2015-1805 需要合入。   |
| 10                               | DTS2016032907317 | 【V711共性问题】【LINUX-V100R007B100D16SP00C03】可以通过组合键拉起进程，datalock防暴力破解机制的重启时间被缩短至5秒  |
| 11                               | DTS2016030704443 | 【V7R11共性问题】同步V7R22问题单-USB安全端口方案上库   |
| 12                               | DTS2016022403990 | 【V711共性问题】【敏感信息打印】强制门户功能内核打印日志中包含用户输入URL，需要整改。  |



| Index | Case ID          | Issue Description   |
|-------|------------------|---|
| 13    | DTS2016022403585 | 【V711 共性问题】【冗余代码】eUAP 平台中包含“129.129.129.129”地址宏定义，实际未使用，需要删除。                               |
| 14    | DTS2016013001675 | 【E5577s-321】问题单DTS2015062306055 修改导致软银HW506产品LED灯显示异常                                       |
| 15    | DTS2016010401937 | 【V711共性问题】外部研究者使用伪基站，在安全激活前发送“UEInformationRequest”给UE，UE针对该消息进行了回复，存在安全风险，需要按照36.331协议进行修改 |
| 16    | DTS2016040505596 | 【V711共性问题】【修改主线bug】安全函数整改错误，导致开启TR069宏编译失败  |

### 3.4 Known Limitations and Issues

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

## 4 WebUI/HiLink

### 4.1 Version Description

WebUI/HiLink Version: 17.100.14.01.03

### 4.2 WebUI/HiLink Specifications

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

### 4.3 Improvement in the Previous Version

| Index                  | Case ID      | Issue Description               |
|------------------------|--------------|---------------------------------|
| WebUI Version          |              | 17.100.14.01.03                 |
| Previous WebUI Version |              | <a href="#">17.100.13.01.03</a> |
| 1                      | New Features |                                 |
| 2                      |              |                                 |
| 3                      |              |                                 |



## 4.4 Known Limitations and Issues

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

## 5 Software Vulnerabilities Fixes

| Software/Module name | Version             | CVE ID           | Vulnerability Description   | Solution                                      |
|----------------------|---------------------|------------------|---|---|
| Linux kernel         | Linux kernel 3.14.1 | CVE-2014-2851    | 【 P711s 】<br>CVE-2014-2851 ,<br>CVE-2013-1763 ,<br>CVE-2014-4943 漏洞合入                             | DTS2015021307041                              |
| Linux Kernel         | Linux kernel 3.7.10 | CVE-2013-1763    | 【 P711s 】<br>CVE-2014-2851 ,<br>CVE-2013-1763 ,<br>CVE-2014-4943 漏洞合入                             | DTS2015021307041                              |
| Linux kernel         | Linux kernel 3.15.6 | CVE-2014-4943    | 【 P711s 】<br>CVE-2014-2851 ,<br>CVE-2013-1763 ,<br>CVE-2014-4943 漏洞合入                             | DTS2015021307041                              |
| Ipv4                 | NA                  | ANDROID-20770158 | 【 Android 补丁 】<br>ANDROID-20770158 : i<br>pv4: Missing sk_nulls_node_init() in ping_unhash()<br>. | 在ping_unhash()中缺少sk_nulls_node_init()<br>( )。 |
| linux kernel         | Linux kernel 4.4.2  | CVE-2015-1805    | 【安全问题】linux kernel<br>漏洞 CVE-2015-1805 需要合入   | DTS2016031808763                              |

## 6 Accessory Product from other Vendor

### Version Description

Accessory Product Version:

### 6.1 Known Limitations and Issues

## 7 Others

## 8 Reference