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E3372h-510	CONFIDENTIAL
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V13.0	

# HUAWEI E3372h TCPU-22.321.01.00.00

## Release Notes V13.0

Prepared by	E3372h Team	Date	2016/10/31
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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
2016-10-31	13.0	FW 22.321.01.00.00	MR version	Liuhuan

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# HUAWEI E3372h TCPU-V200R002B321D01SP00C00 Release Notes V13.0

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> 3GPP = The 3rd Generation Partnership Project TS = Technical Specification LED = Light-Emitting Diode SIM = Subscriber Identity Module 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:	22.321.01.00.00
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>		22.321.01.00.00
<b>Previous Firmware Version</b>		22.317.01.00.00
1	DTS2016060102084	【E3372h】单板解pin后驻留3G和衰减LTE信号到3G，单板死机
2	DTS2016041903166	【安全】谷歌4#补丁发布，需要产品分析涉及项并合并。
3	DTS2016082305806	【V711共性】【mac10.12】安装服务后，在mac上一键升级，工具提示查找端口失败（错误码10），单板变成光盘模式。
4	DTS2015111305462	【E3372h-153TCPU-V200R002B200D13SP00C00 2015-11-09】恢复出厂设置后，由于恢复出厂nv列表限制，导致定制需求不能实现。
5	DTS2016061503963	【新需求】【V711共性问题】eUAP在线升级无需登录功能上库
6	DTS2016070508092	【V711共性问题】【在线升级】【E5573s-156】单板当前为B317D01版本通过一键升级回退到B200的版本，恢复出厂设置后进行在线升级升级到最新的B317D01版本发现在线升级进度条只能到99%，实际在线升级已经成功（但在服务器短不会上报升级成功状态）
7	DTS2016070702467	【新需求】【V711共性】流量统计方案变更，需按照最新的方案实现
8	DTS2016070806609	【V711共性问题】【euap主线 LINUX-V100R007B100D17SP00C03】在线升级重定向不生效
9	DTS2016071406444	【V711共性问题】【安全】：谷歌2016#7补丁请具体分析涉及项并合并。
10	DTS2016071904855	【V711共性问题】【自动升级】CPE自动升级下载版本完成在写flash过程中手动下电，单板死机
11	DTS2016080201813	【新需求】【V711共性问题】eUAP平台支持产品强制升级功能（合并此需求还需要合并两个一般问题 DTS2016081203068、DTS2016081010521）
12	DTS2016081608801	【V711共性问题】【开源声明信息不完整_共性问题】开源声明中只有单板的，没有WEBUI的开源声明信息，需要添加WEBUI开源信息。需要重新整理产品的OPEN_SOURCE_NOTICE
13	DTS2016101004762	【V711共性问题】【安全】谷歌10#补丁发布，需要产品分析涉及项并合并。SLA时间2016.11.5
14	DTS2016082305806	【V711共性】【mac10.12】安装服务后，在mac上一键升级，工具提示查找端口失败（错误码10），单板变成光盘模式。



Index	Case ID	Issue Description
15	DTS2016102807729	【V711共性问题】【安全升级】【必现】非一次性写入的组件A在一键升级时如果异常掉电，单板进升级模式，此时，在升级模式下升级单独的WEBUI版本，发现之前已经写入的组件A的部分数据并未先做处理。
16	DTS2016102705280	【V711共性问题】【安全_开源声明】【必现】：开源组件netfilter中缺少权利人Harald Welte的描述；组件busybox中缺少权利人Patrick McHardy的描述；
17	DTS2016103100244	【安全漏洞_必现】linux内核Dirty COW(脏牛漏洞)排查需合入，CVE编号CVE-2016-5195。

### 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: 17.100.15.02.03

### 4.2 WebUI/HiLink Specifications

Item	Specifications

### 4.3 Improvement in the Previous Version

Index	Case ID	Issue Description
WebUI Version		17.100.15.02.03
Previous WebUI Version		17.100.14.01.03
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 】 CVE-2014-2851 , CVE-2013-1763 , CVE-2014-4943 漏洞合入	DTS2015021307041
Linux Kernel	Linux kernel 3.7.10	CVE-2013-1763	【 P711s 】 CVE-2014-2851 , CVE-2013-1763 , CVE-2014-4943 漏洞合入	DTS2015021307041
Linux kernel	Linux kernel 3.15.6	CVE-2014-4943	【 P711s 】 CVE-2014-2851 , CVE-2013-1763 , CVE-2014-4943 漏洞合入	DTS2015021307041
Ipv4	NA	ANDROID-20770158	【 Android 补丁 】 ANDROID-20770158 : i pv4: Missing sk_nulls_node_init() in ping_unhash() .	在ping_unhash()中缺少sk_nulls_node_init() ( )。
linux kernel	Linux kernel 4.4.2	CVE-2015-1805	【安全问题】linux kernel 漏洞 CVE-2015-1805 需要合入	DTS2016031808763
linux kernel	Linux kernel 3.4.5	CVE-2016-5195	【安全漏洞_必现】linux内核 Dirty COW(脏牛漏洞) 排查需合入, CVE 编号 CVE-2016-5195。	DTS2016103100244

## 6 Accessory Product from other Vendor

### Version Description

Accessory Product Version:





## **6.1 Known Limitations and Issues**

## **7 Others**

## **8 Reference**