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E3372h-210	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
2015-11-25	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">● CL2E3372HM
Technical standard	<ul style="list-style-type: none">● LTE 3GPP R9● HSPA+/UMTS: 3GPP R99/R5/R6/R7/R8● GSM/GPRS/EDGE: 3GPP R99
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	≤ 3.5 W
Power supply	5V
Dimensions (D × W × H)	About 88mm(D) × 28mm(W) × 11.5mm (H)
Weight	≤ 25 g
Temperature	<ul style="list-style-type: none">Operating: -10°C to $+40^{\circ}\text{C}$Storage: -20°C to $+70^{\circ}\text{C}$
Humidity	5% to 95%
Base Information	<ul style="list-style-type: none">Plug and play (PnP)
	<ul style="list-style-type: none">Standard USB 2.0 High Speed interface, auto installation, convenient for use
Note: 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
Firmware Version		22.321.01.00.00
Previous Firmware Version		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