



## UFED Ultimate & UFED InField

(Touch2, Touch2 Ruggedized, Touch, 4PC, Kiosk, Ruggedized Laptop & Ruggedized Tablet)

## & UFED Physical Analyzer, UFED Logical Analyzer & Reader

Version 6.4 | November 2017

Now supporting  
**23,461**  
device profiles  
**4,816** app versions

### Highlights

- Drone support: Cellebrite is proud to provide new capabilities to extract, decode and analyze media, location, telemetry and drone identification data (included deleted data) from the most popular DJI drones, and DJI Go and DJI Go 4 mobile applications!
- New bootloader-based physical bypass extraction support for 48 of the toughest locked Qualcomm-based Android devices, and 33 Android devices using ADB method.
  - > This unique unlocking method supports devices based on the MSM8909, MSM8916, MSM8936, MSM8939, and MSM8952 chipsets from EDL (Emergency Download) mode.
  - > Supported Android devices include: HTC Desire: 510/620/826, Alcatel One Touch Pixi, Vivo X5/X7, Motorola XT1526 and XT1543.
  - > The method appears under many tested device profiles. For devices with a matching chipset that do not appear in the supported devices list, it is recommended to attempt this method via the generic path: Search for Qualcomm Android → Physical Extraction.

*Note:* For some devices, this extraction may require a new cable which is not yet part of the UFED kit. We are in the process of manufacturing this cable. However, until this cable is supplied to you by Cellebrite, [you can purchase the EDL cable here.](#) For any additional information, please contact [support@cellebrite.com](mailto:support@cellebrite.com).
- New and unique bootloader-based physical bypass extraction for 8 MTK based devices running MT6260 and MT6261 chipsets.
  - > Devices include: Alcatel 1042x One Touch, POSH A100 Lynx and Nokia GSM 222 (RM-1136).
- Access more than 24 locked and encrypted Motorola devices with bootloader-based physical bypass extraction, and disable and re-enable the lock screen.
  - > This method works on devices with a Security Patch Level older than May 2017.
  - > Supported devices include: Moto G4/ G4 PLUS, G5 and X.



### Cellebrite presents drone digital forensics and intelligence

Watch the video here:  
<https://vimeo.com/236431991>



### Smarter unlock capabilities for Android devices

Overcome 48 of the toughest locked Qualcomm-based Android devices with new bootloader-based physical bypass extraction and 33 Android devices using ADB method. Supported Android devices include: HTC Desire: 510/620/826, Alcatel One Touch Pixi, Vivo X5/X7, Motorola XT1526 and XT1543.



### Now supporting the most popular drones!

Extraction and decoding is now available from the most popular DJI drones, and DJI Go and DJI Go 4 mobile applications.

Drones supported: DJI inspire 2, DJI Phantom 3, DJI Phantom 4 and DJI Mavic.



### New and unique bootloader-based physical bypass extraction for 8 MTK based devices

Devices include: Alcatel 1042x One Touch, POSH A100 Lynx and Nokia GSM 222 (RM-1136).



## Now supporting extraction from iOS 11

In addition to the support for iOS 11 released in UFED Physical Analyzer 6.3.11, all UFED platforms now enable data extraction from devices running iOS 11.



## Industry first: New support for HEIC images format

Extract, decode and view images from Apple devices running iOS 11, using UFED Physical Analyzer. The images are automatically converted to a known format, JPG and there is an option to include both the original and converted files in the report. This capability does not require external/third party tools.



## New access to locked and encrypted Motorola devices

Access more than 24 locked and encrypted Motorola devices with bootloader-based physical bypass extraction, and disable and re-enable the lock screen.

Forensic device profiles	v6.4	Total
Logical extraction	168	9,758
Physical extraction*	147	5,512
File system extraction	140	5,483
Extract/disable user lock	38	2,708
<b>Total</b>	<b>493</b>	<b>23,461</b>
<b>4,431</b> unique mobile devices with passcode capabilities Including GPS devices*		

## Functionality

Just as law enforcement agencies begin to understand the valuable forensic resource digital devices represent in investigations, drones, are flying onto the scene and present even tougher challenges for investigators.

Drones are becoming more and more involved in crimes including smuggling into prisons, carrying weapons and even threats to passenger aircrafts. Agencies are turning to drone forensic teams to catch those driving the UAVs (Unmanned Aerial Vehicles) and obtain the data within.

Cellebrite's latest UFED version, 6.4, provides physical extraction and decoding of intact and deleted data from multiple popular DJI drones: Phantom 3, Phantom 4, Mavic pro and Inspire 2, in addition to DJI Go and DJI Go 4 applications for Android and iOS devices.

A comprehensive disassembly guide is available in [my.cellebrite.com](http://my.cellebrite.com) > Downloads > Documentation (under the relevant UFED product).

Cellebrite recommends that the drone is disassembled by a qualified person. Please follow the documented steps carefully.

### Supported data artifacts include:

- **Media files:** Images and videos files taken by the drone during flights.
- **Meta data (EXIF):** Locations and time-stamps.
- **Locations and timestamps:** List of locations from drones' flights. Each flight has its own journey with all positions. The positions are presented on map with a journey path, and user may even play and visually track the flight's journey.
- **Home point positions:** List of positions indicating the drone's starting point.
- **Flight telemetry:** Elevation.
- **Various identifiers:** Such as drone and battery serials.
- **Deleted data:** Including deleted journeys and home points (data that was automatically deleted by the drone).
- **Decoded data from DJI Go and DJI Go 4 applications:** For iOS and Android devices. Using these applications, users can capture and share content, and mainly control a paired drone and its flights.

### Known issues: UFED

- HEIF/HEIC new file formats - Following a change by Apple which was introduced in iOS 11 for images file format (.HEVC), these data files are extracted UFED. However they can't be presented or played in the HTML viewer in Logical extraction. We recommend that you use the UFED Physical Analyzer to view the extraction.
- New Qualcomm generic physical extraction -This method requires the device to successfully enter "Emergency Download" (EDL) mode. Some devices may not work because they cannot enter this mode.
- iOS 11 capture screenshots capability: Due to a new image format, only the capture preview will look slightly blurry. The actual image isn't blurry and will be displayed in high quality when opening it once the process is complete.

### Known issues: UFED Physical Analyzer, UFED Logical Analyzer and Reader

- In windows 7/8, mov H265 video files can't be played. It is recommended to install "K-Lite Codec Pack" or use VLC.
- Device info and Timestamps are not decoded for the DJI Phantom 3 drone device.
- Drone journeys are not presented in UFED InField Viewer.

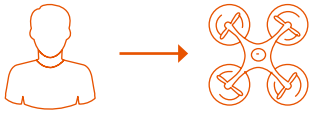
### Solved issue: UFED

Smsmms.db can now be extracted from the SMS text messages in logical and file system extractions of ZTE devices.

### Solved issues: UFED Physical Analyzer, UFED Logical Analyzer and Reader

- Fail to generate a UFDR report from Reader.
- Partial decoding of iMessages from SMS.db for Apple devices running iOS 11, has now been resolved only in the UFED Physical Analyzer.
- SMS, iMessages and MMS records are missing the UTC value for devices running iOS 11.0.1.
- A freeze occurs during the iOS iTunes backup decoding process (Unknown Hard Error).
- Too many folder labels for Gmail emails.
- Decoding of deleted contacts are being merged into one contact for iOS devices.
- An issue with the mouse scrolling in Device Info view.

### Use case 1

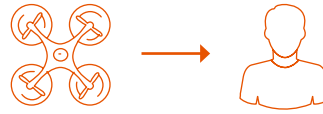


A suspect has been arrested.  
How do we know he used a  
drone to commit a crime?



- 1 Suspect arrested
- 2 The mobile extraction shows the DJI Go application
- 3 UFED Physical Analyzer was able to present the drone's journey including the start and end points
- 4 Details of the paired drone was found

### Use case 2



A drone has been seized.  
How can we get to the  
drone's operator?



- 1 A drone has been seized
- 2 Physical extraction has been performed on the drone
- 3 UFED Physical Analyzer recovered the drone's images, videos and journey, including the start and end points
- 4 According to the location points, you can see where the drone was set off. For example, from the suspect's home

## iOS: New and updated apps

2 new apps, 123 updates apps

Aliwangwang	4.2.0
Any.DO	4.11.1, 4.11.5
ASKfm	4.5.1
Badoo	5.19.0, 5.21.0
Blendr	5.19.0, 5.21.0
Booking.com	14.9, 15.0
Chatous	3.8.12
Chrome	60.0.3112.89
Ctrip	5.1.0, 5.1.2
Ctrip (Chinese)	7.6.0, 7.6.2
Dropbox	58.2, 62.3
Endomondo	17.8.0
Evernote	8.3
Expedia	17.31
Facebook	136.0, 139.0
Facebook Messenger	130.0, 133.0
FireChat	8.0.14
Firefox	8.1.1, 8.2
Flipboard	4.0.18, 4.1.1
Foursquare	10.8.1, 10.9.1
Glide	6.2.0, 6.2.1
Gmail	5.0.170716, 5.0.170813
Google App	33.0
Google Docs	1.2017.34202
Google Drive	4.2017.26209, 4.2017.29211
Google Maps	4.35.1
Google Translate	5.12.0
Google+	6.14.0, 6.16.0
Grindr	3.13.0, 3.14.0
GroupMe	5.12.3
Hangouts	18.0.0
HERE Maps	2.0.26, 2.0.27
hike messenger	5.0.4, 5.1.1
Hot or Not	5.19.0, 5.21.0
ICQ	6.15.4
imo	7.1.2, 7.1.9
Inbox	1.3.170716, 1.3.170813
Instagram	10.33, 13.0
InstaMessage	2.8.0
Kakao Story	4.6.0
KakaoTalk	6.3.7, 6.4.2
Keeper	11.0.0
Kik Messenger	11.28.0
LINE	7.10.0
LinkedIn	9.1.40, 9.1.43
Mail.Ru	8.3.1
MeetMe	12.4.1, 12.4.2

Momo	8.1
ooVoo	4.1.0, 4.1.2
Pinterest	6.31, 6.33
QQ Browser	7.7.1, 7.7.2
Runtastic	7.4
Silent Phone	6.0.2
Skout	5.00.1
Skype	8.3, 8.5.1
Snapchat	10.14.1.0, 10.16.1.0
Swarm	5.0, 5.0.2
Tango	4.3.221390
Taxify	3.17, 3.19
Telegram Messenger	4.2.1
Text Free Ultra Texting	9.30, 9.31
Text Me Up	3.9.2
Text Now	8.11.0
textPlus	7.0.7, 7.0.9
Threema	2.10.2
Tinder	7.7.2
Truecaller	7.70, 7.80
Tumblr	8.9
Twitter	7.4, 7.6
Uber	3.257.2, 3.258.2
Viber	7.3, 7.5
Vkontakte	2.15.2
Voxer	3.21.7
Waze	4.27, 4.28
WeChat	6.5.13, 6.5.15
Weibo	7.8.1
WhatsApp	2.17.42, 2.17.52
Yahoo Mail	4.18.1
Yahoo Messenger	2.9.3
Yandex Browser	17.7.2.255, 17.7.3.291

## Android: New and updated apps

### 2 new apps, 150 updated apps

µTorrent® - Torrent Downloader	3.44.332
AppLock	2.30.4, 2.31.4
ASKfm	4.5.1
Badoo	5.24.1, 5.28.0
BBM	3.3.7.97
BeeTalk	2.3.6, 2.3.7
Blendr	5.24.1, 5.29.0
Booking.com	13.2, 13.4
Chatous	3.9.69
Chrome	60.0.3112.107
CM Locker	4.7.7
CM Security Browser	5.21.11, 5.21.15
Dolphin Browser	12.0.2
Dropbox	58.2.6, 60.2.4
Endomondo	17.7.2, 17.8.2
Evernote	7.13
Expedia	17.31.0, 17.34.0
Facebook	137.0.0.24.91, 139.0.0.26.93
Facebook Messenger	130.0.0.15.89, 133.0.0.14.91
FireChat	8.0.48
Firefox	55.0.2
Flipboard	4.0.16, 4.1.0
Glide	Glide.v10.341.025
Gmail	7.7.16.164685024.release, 7.8.13.166937981.release
Go SMS Pro	7.31
Google Calendar	5.7.31-162465143-release, 5.7.35-165431130-release
Google Docs	1.7.292.06.36, 1.7.332.03.36
Google Drive	2.7.292.05.36, 2.7.332.07.36
Google Maps	9.58.2, 9.60.1
Google Photos	3.2.0.163525294, 3.4.0.167082928
Google Quick Search Box	7.7.18.21.arm
Google Translate	5.11.0.RC17.164872617
Google+	9.19.0.167037192
Grindr	3.13.0
GroupMe	5.10.2, 5.11.2
Hangouts	21.0.162426697
HERE WeGo	2.0.11608
Hot or Not	5.24.1, 5.29.0
ICQ	6.14[822091], 6.15[822181]
imo	9.8.00000007591, 9.8.00000008071
Inbox	1.54.166117472.release
Instagram	10.33.0, 12.0.0.7.91
Kakao Story	4.5.6, 4.6.1
Keeper	11.0.1

KeepSafe	8.1.13
Kik Messenger	11.30.1.17762, 11.33.0.18125
LINE	7.9.2, 7.11.2
LinkedIn	4.1.74, 4.1.84
Mail.Ru	5.7.1.22454
Mappy	6.1730.12459, 6.1734.12722
Meet24	1.30.12
MeetMe	12.4.0.905, 12.4.2.945
Musical.ly	5.8.2
NavFree	2.3.74
Nike+ Run Club	2.8.1
Odnoklassniki	17.8.2, 17.8.17
One Drive	4.15
Outlook.com	2.1.249, 2.2.8
Path	6.4.2
Pinterest	6.29.0, 6.32.0
Pokemon GO	0.69.1, 0.73.1
Private Zone – AppLock	4.3.6
Puffin Web Browser	6.1.3.15994, 6.1.4.16005
QQ	6.6.7
QQ Browser	7.8.0.3540
Runtastic	7.3.4, 7.4.3
SayHi	6.66
Scruff	5.1011, 5.1012
Signal Private Messenger	4.9.8, 4.9.9
Skout	4.26.2, 5.0.1
Snapchat	10.14.5.0, 10.16.0.0
Swarm	2017.08.22
SwiftKey	6.6.4.19, 6.6.6.21
Sygic	17.2.10
Tango	4.3.221466
Telegram Messenger	4.2.2, 4.3.0
Text Free Ultra Texting	6.31.1
Text Me Up	3.9.2
Text Now	5.25.0
textPlus	7.0.8, 7.0.9
Threema	3.17
Tinder	7.4.0
Truecaller	8.31
Truecaller	8.42
Tumblr	9.0.0.01, 9.2.0.00
TunnelBear	v146
Twitter	7.8.0
Uber	4.165.1, 4.168.6
UC Browser	11.4.5.1005
Viber	7.3.0.18, 7.5.0.26

**Android: New and updated apps**

2 new apps, 150 updated apps (cont...)

VIPole	1.8.22, 1.8.28
Vkontakte	4.13.1
Voxer	3.18.1.19702, 3.18.3.19753
Waze	4.27.0.1, 4.28.0.1
WhatsApp	2.17.232,2.17.296
Whisper	9.2.1
Yahoo Mail	5.18.2
Yahoo Messenger	2.9.4
Yandex Browser	17.6.1.340, 17.6.1.345
Yandex Mail	3.17, 3.18

**Bootloader-based Physical extraction for 48 Android devices**

Acer	Z330 Liquid,
Alcatel	5017B One Touch Pixi 3 4.5, 5044R idealXCITE, 5056W, A570BL One Touch Pixi
GeeksPhone	BP2H001AM1 Blackphone 2
Coolpad	5217, 8675-A Dazen, Y75, Y90
Doro	Liberto 825, DSB-0010 8031
GeneralMobile	4G AndroidOne
HTC	OPCV100, OPCV200 Desire 510, OPE6400 Desire 620, OPGQ120 Desire 520, OPKV100 One M8s, OPM9110 Desire 626s, OPM92 Desire 626, 2PST2 Desire 530, Desire 826
Lenovo	TB-X103F Tab 10
Motorola GSM	XT1526 Moto E 2nd Gen, XT1543 Moto G 3rd Gen
VIVO	X5F, X7, Y23L, Y27
Wiko	Rainbow Jam 4G
Chinese Android phones	Swift
ZTE GSM	Z831, 995N Smart Ultra 6, Blade Apex 3, K9OU 10.1, N9132, N9516 Imperial II, N9518 Warp, Vodafone Smart Ultra 6, Z320, Z812, Z818L All Star, Z832 Sonata 3, Z835 Maven 3, Z839, Z936L Lever, Z959, Z981

**Physical extraction (ADB) for 33 Android devices**

Alcatel	5017B One Touch Pixi 3 4.5, 5017B One Touch Pixi 3 4.5
Asus	Z00MD Zenfone 2 Laser ZE600KL, Z011D Zenfone 2 Laser ZE601KL
Coolpad	3622A
Huawei	H1611
Kyocera	C6743 Hydro Reach, C6730 Hydro Icon, C6740, C6742A, C6745 Hydro Air, S2720
Lenovo	YT3-850F Yoga Tab 3 8
Marshall	Marshall London
Motorola GSM	XT1514 Moto E 2'nd Gen Dual, XT1541 Moto G 3rd Gen, XT1542 Moto G 3rd gen, XT1543 Moto G 3rd Gen, XT1548 Moto G, X1557 Moto G Turbo, XT1562 Moto X Play, XT1565 Droid Maxx 2, XT1607 Moto G Play, XT1621 Moto G4, XT1622 Moto G4
Sony (SonyEricsson)	E2303 Xperia M4 Aqua, E2306 Xperia M4 Aqua, E2363 Xperia M4
VIVO	Y23L
Vodafone	VFD 600 Smart Prime 7
Wiko	Pulp 4G
ZTE GSM	402ZT Blade Q+, VFD 600 Smart Prime 7

**Bootloader-based Physical extraction and Disable/Re-enable user lock for 24 Motorola devices**

Motorola CDMA	XT1031 Moto G, XT1254 Droid Turbo, XT1526 Moto E 2nd Gen, XT1103 Nexus 6, XT1548 Moto G, XT1585 Droid Turbo 2, XT1607 Moto G Play, XT1609 Moto G4 Play, XT1565 Droid Maxx 2
Motorola GSM	XT1032 Moto G, XT1039 Moto G, XT1040 Moto G, XT1045 Moto G, XT1527 Moto E 2nd Gen, XT1621 Moto G4, XT1622 Moto G4, XT1625 Moto G4, XT1641 Moto G4 Plus, XT1642 Moto G4 Plus, XT1644 Moto G4 Plus, XT1541 Moto G 3rd Gen, XT1542 Moto G 3rd gen, XT1115 Moto X Pro, XT1562 Moto X Play



## Bootloader-based Physical extraction and for 8 MTK based devices

Alcatel	1042x One Touch, 2004C One Touch, 1013x One Touch, 1040x One Touch
Chinese phones	POSH A100 Lynx, Telme F210
Nokia GSM	222 (RM-1136)

## Physical extraction while bypassing lock 115 newly supported devices

Acer	T06 Liquid Zest, Z330 Liquid
Alcatel	1013x One Touch, 1040x One Touch, 1042x One Touch, 40440 One Touch, 5056N Fierce 4, A570BL One Touch Pixi, 2004C One Touch, 5044R idealXCITE, 5056W, 5056O OneTouch Allura
Coolpad	Y75, Y90, 5217, 8675-A Dazen, 8690 Dazen X7, 8690_T00 Dazen X7
Doro	Liberto 825, DSB-0010 8031
HTC	0PGQ120 Desire 520, T528t One ST, 2PST2 Desire 530, Desire 826, 0PKV100 One M8s, 0PCV100, 0PCV200 Desire 510, 0PM92 Desire 626, 0PE6400 Desire 620, 0PM9110 Desire 626s
Huawei	LUA-L21 Y3II, RIO-L01 G7 Plus, 204HW, P7-L09 Ascend P7, Y600-U00 Ascend, KII-L21 GR5
Lenovo	A630t, A680, A766, A628t, TB-X103F Tab 10
LG GSM	AS330 K7, K373 Escape 3, H630 G4 Stylus, DM-01G Disney
Chinese phones	iRadish Y6 Smart Watch, POSH A100 Lynx , Telme F210
Chinese Android phones	Juning A8, Juning Z8, Mpie X800, iRadish Y6 Smart Watch, POSH A100 Lynx, Telme F210, Swift
Motorola CDMA	XT1609 Moto G4 Play, XT1031 Moto G, XT1031 Moto G [UScellular], XT1607 Moto G Play, XT1103 Nexus 6, XT1254 Droid Turbo, XT1526 Moto E 2nd Gen, XT1548 Moto G, XT1565 Droid Maxx 2, XT1585 Droid Turbo 2
Motorola GSM	XT1621 Moto G4, XT1032 Moto G, XT1039 Moto G, XT1040 Moto G, XT1045 Moto G, XT1103 Nexus 6, XT1115 Moto X Pro, XT1527 Moto E 2nd Gen, XT1526 Moto E 2nd Gen, XT1542 Moto G 3rd gen, XT1541 Moto G 3rd Gen, XT1562 Moto X Play, XT1622 Moto G4, XT1625 Moto G4, XT1641 Moto G4 Plus, XT1642 Moto G4 Plus, XT1644 Moto G4 Plus
NiU	4D2 Tek 4D2, AC4E3I043 Andy 4E, TC5DI043 Tek 5D, Andy 5.5E
Nokia GSM	222 (RM-1136)

## Physical extraction while bypassing lock 115 newly supported devices

Samsung GSM	SM-T530 Galaxy Tab 4 7.0, SGH-S970G Galaxy S4, SM-G570F Galaxy J5 Prima Duos, SM-S907VL Galaxy S6, SC-05G (Galaxy S6)
Smart Phones/ PDAs	Qualcomm Android
Tablets	SM-T530 Galaxy Tab 4 7.0, TB-X103F Tab 10, ZTE K9OU 10.1, Samsung GT-P3113TS Galaxy Tab 2 7.0
VIVO	X7, Y11i T, Y11, X5F, Y23L, Y27
Vodafone	785 Smart 4 Mini
Vodafone Smart Ultra 6	Lenny3, Highway Pure 4G
Wiko	Rainbow Jam 4G
ZTE CDMA	Z839, K9OU 10.1, N9516 Imperial II, Z936L Lever, N9132, N9518 Warp
ZTE GSM	Z320, Z835 Maven 3, Z818L All Star, Orange Dive 30, NX518J Nubia Z9 Max Elite, Z831, Z812, Z832 Sonata 3, Turkcell T60, Blade Apex 3, Z959, Z981 ZMax Pro

## Physical extraction 147 newly supported devices

Acer	A1-840FHD Iconia Tab 8, T06 Liquid Zest
Alcatel	A573VC One Touch Pixi Bond, A621BL Pixi 3 5.5, A851L OneTouch Sonic, 1013x One Touch, 1040x One Touch, 1042x One Touch, 40440 One Touch, 5056E Pop 4+, 5056N Fierce 4, 9001X One Touch Pixi 4 6.0
BlackBerry GSM	BBB100-1 KEYone
Coolpad	3635A
Doro	DSB-0010 8030
Drone	DJI - Phantom 3, DJI - Phantom 4, DJI - Mavic Pro, DJI - Inspire 2
Emobile	EM01F (Arrows S)
GeneralMobile	4G AndroidOne
Gionee	Gini N8
HTC	0PGQ120 Desire 520, T528t One ST
Huawei	LUA-L21 Y3II, RIO-L01 G7 Plus, PRA-LX1 P8 Lite 2017, 204HW, VNS-L52 P9 Lite, DUK-L09 Honor 8 Pro, STF-AL10 Honor 9, STF-AL00 Honor 9, P6-C00 Ascend P6, P7-L09 Ascend P7, EVA-AL00 P9, Y600-U00 Ascend, G615-U10 Ascend, S-U06 Ascend P6
Kyocera	302KC Digno T, WX04K(DIGNO DUAL), S2720
Lenovo	A788t, A560, A630t, A680, A766, A628t, YT3-850F Yoga Tab 3 8
LG CDMA	US998 V30



**Physical extraction**

147 newly supported devices (cont...)

LG GSM	LGL53BL X Style, LS777 Stylus 3, AS330 K7, K373 Escape 3, L56VL X Style, L61AL Premier LTE, H630 G4 Stylus, H831 G5, DM-01G Disney, LS997 V20, H931 V30
Chinese phones	Oyster S, Alba ACF28 2.8, Amgoo AM102, Itel it2090, Itel it5010, Itel it5020, Zizo Z101 Z180
Chinese Android phones	LeEco Le X622, Juning A8, Juning M9, Juning Z8, Mpie X800
Meizu	Y685H M3S
Micromax	X556
Motorola CDMA	XT1609 Moto G4 Play, XT1775 Moto E4 Plus
Motorola GSM	XT1575 Moto X Style, XT1575 Moto X Pure, XT1621 Moto G4, XT1676 Moto G5, XT1671 Moto G5, XT1686 Moto G5
MyPhone	IP67 Hammer, myPhone 3310
NEC	N-05E Medias W
NTT Docomo	P-03E(ELUGA P), F-04G (Arrows NX), F-07D(ARROWS Micro)
NiU	4D2 Tek 4D2, AC4E3I043 Andy 4E, TC5DI043 Tek 5D, Andy 5.5E
Nokia GSM	TA-1003 Nokia 6, 3310 2017
Oppo	R11, A37fw
Samsung GSM	SM-S902L Galaxy S5, SM-J200GU Galaxy J2, SM-T378V Galaxy Tab E, SM-J200H Galaxy J2, SM-J510FN Galaxy J5, SM-J530F Galaxy J5 Pro, SM-T530 Galaxy Tab 4 7.0, SM-J730F Galaxy J7 Pro, SM-N950U Galaxy Note 8, SM-N916S Galaxy Note 4 S-LTE, SGH-S970G Galaxy S4, SM-G570F Galaxy J5 Prima Duos, SM-S907VL Galaxy S6
Sharp	SBM009SH Aquos, DM011SH Disney Mobile
Smart Phones/ PDAs	Qualcomm Android
Smartisan	SM919 M1L
Sony (SonyEricsson)	S51SE mini, E2363 Xperia M4
Tablets	Acer A1-840FHD Iconia Tab 8, Samsung SM-T378V Galaxy Tab E, SM-T530 Galaxy Tab 4 7.0, YT3-850F Yoga Tab 3 8
VIVO	Xplay 6, X9s, 1713 V5S, X7, Y11i T, Y11, Y66
Vodafone	VFD 710 Smart V8, VFD 511 Smart E8
Xiaomi	HM 1W Redmi
ZTE CDMA	N9560 Max XL, Z839
ZTE GSM	F327s, Z320, Z819L Stratos, Z835 Maven 3, Z818L All Star, Z956 Grand X 4

**File system extraction while bypassing lock**  
17 newly supported devices

HTC	T528t One ST
Huawei	204HW
Samsung GSM	SM-S902L Galaxy S5, SM-J200GU Galaxy J2, SM-T378V Galaxy Tab E, SM-J200H Galaxy J2, SM-J510FN Galaxy J5, SM-J530F Galaxy J5 Pro, SM-T530 Galaxy Tab 4 7.0, SM-J730F Galaxy J7 Pro, SM-N950U Galaxy Note 8, SM-N916S Galaxy Note 4 S-LTE, SGH-S970G Galaxy S4, SM-G570F Galaxy J5 Prima Duos, SM-S907VL Galaxy S6
Tablets	Samsung SM-T378V Galaxy Tab E, SM-T530 Galaxy Tab 4 7.0

**File system extraction**  
140 newly supported devices

Acer	A1-840FHD Iconia Tab 8, T06 Liquid Zest
Alcatel	A573VC One Touch Pixi Bond, A621BL Pixi 3 5.5, A851L OneTouch Sonic, 5056E Pop 4+, 5056N Fierce 4, 9001X One Touch Pixi 4 6.0
Apple	iPhone 6s Plus (A1643), iPhone 8 (A1863), iPhone 8 (A1905), iPhone 8 (A1906), iPhone 8 (A1907), iPhone 8 Plus (A1864), iPhone 8 Plus (A1897), iPhone 8 Plus (A1898), iPhone 8 Plus (A1899), iPad 9.7" (5th Gen) WiFi (A1822), iPad 9.7" (5th Gen) (A1823)
BlackBerry GSM	BBB100-1 KEYone
Coolpad	3635A
Doro	DSB-0010 8030
Emobile	EM01F (Arrows S)
GeneralMobile	4G AndroidOne
Gionee	Gini N8
HTC	0PGQ120 Desire 520, T528t One ST
Huawei	LUA-L21 Y3II, RIO-L01 G7 Plus, PRA-LX1 P8 Lite 2017, 204HW, VNS-L52 P9 Lite, DUK-L09 Honor 8 Pro, STF-AL10 Honor 9, STF-AL00 Honor 9, P6-C00 Ascend P6, P7-L09 Ascend P7, EVA-AL00 P9, Y600-U00 Ascend, G615-U10 Ascend, S-U06 Ascend P6
Kyocera	DM015K Disney Mobile, 302KC Digno T, WX04K(DIGNO DUAL)
Lenovo	A560, A630t, A680, A766, A628t, YT3-850F Yoga Tab 3 8
LG CDMA	US998 V30
LG GSM	LGL53BL X Style, LS777 Stylus 3, AS330 K7, K373 Escape 3, L56VL X Style, L61AL Premier LTE, H630 G4 Stylus, H831 G5,DM-01G Disney, LS997 V20, H931 V30
Chinese phones	Oyster S, Alba ACF28 2.8, Amgoo AM102, Itel it2090, Itel it5010, Itel it5020, Zizo Z101 Z180

**File system extraction**

140 newly supported devices (cont...)

Chinese Android phones	LeEco Le X622, Juning A8, Juning M9, Juning Z8, Mpie X800
Meizu	M611A M5, Y685H M3S
Micromax	X556
Motorola CDMA	XT1609 Moto G4 Play, XT1775 Moto E4 Plus
Motorola GSM	XT1575 Moto X Style, XT1575 Moto X Pure, XT1621 Moto G4, XT1676 Moto G5, XT1671 Moto G5, XT1686 Moto G5
MyPhone	IP67 Hammer, myPhone 3310
NEC	N-05E Medias W
Nokia GSM	Fake Nokia E79+
NTT Docomo	P-03E(ELUGA P), F-04G (Arrows NX), F-07D(ARROWS Micro)
NiU	4D2 Tek 4D2, AC4E3I043 Andy 4E, TC5DI043 Tek 5D, Andy 5.5E
Nokia GSM	TA-1003 Nokia 6, 3310 2017
Oppo	R11, A37fw
Samsung GSM	SM-S902L Galaxy S5, SM-J200GU Galaxy J2, SM-T378V Galaxy Tab E, SM-J200H Galaxy J2, SM-J510FN Galaxy J5, SM-J530F Galaxy J5 Pro, SM-T530 Galaxy Tab 4 7.0, SM-J730F Galaxy J7 Pro, SM-N950U Galaxy Note 8, SM-N916S Galaxy Note 4 S-LTE, SGH-S970G Galaxy S4, SM-G570F Galaxy J5 Prima Duos, SM-S907VL Galaxy S6
Sharp	SBM009SH Aquos, DM011SH Disney Mobile
Smartisan	SM919 M1L
Sony (SonyEricsson)	S51SE mini, E2363 Xperia M4
Tablets	Acer A1-840FHD Iconia Tab 8, Samsung SM-T378V Galaxy Tab E, SM-T530 Galaxy Tab 4 7.0, YT3-850F Yoga Tab 3 8
VIVO	Xplay 6, X9s, 1713 V5S, Y11i T, Y11, Y66
Vodafone	VFD 710 Smart V8, VFD 511 Smart E8
Xiaomi	HM 1W Redmi
ZTE CDMA	N9560 Max XL, Z839
ZTE GSM	F327s, Z819L Stratos, Z835 Maven 3, Z818L All Star, Z956 Grand X 4

**Logical extraction**

168 newly supported devices

AU	LGV33(Qua phone PX), SHV36(BASIO2), KYV38(URBANO V03), LGT32(Qua tab PZ), KYV39(miraie f), SHV38(AQUOS SERIE mini)
Acer	T06 Liquid Zest, A1-840FHD Iconia Tab 8
Alcatel	A851L OneTouch Sonic, Alcatel A621BL Pixi 3 5.5 (Bluetooth), A573VC One Touch Pixi Bond, 5049Z, 5056E Pop 4+, 5056N Fierce 4, 9001X One Touch Pixi 4 6.0
Apple	iPhone 6s Plus (A1643), iPhone 8 (A1863), iPhone 8 (A1905), iPhone 8 (A1906), iPhone 8 (A1907), iPhone 8 Plus (A1864), iPhone 8 Plus (A1897), iPhone 8 Plus (A1898), iPhone 8 Plus (A1899), iPhone 8 Plus (A1865), iPhone X (A1901), iPhone X (A1902)
BlackBerry GSM	BBB100-1 KEYone
Coolpad	3635A
Doro	6531, DSB-0010 8030
GeneralMobile	4G AndroidOne
Gionee	Gini N8, S10
HTC	0PGQ120 Desire 520, T528t One ST
Huawei	EVA-AL00 P9, VNS-L52 P9 Lite, RIO-L01 G7 Plus, STF-AL00 Honor 9, STF-AL10 Honor 9, DUK-L09 Honor 8 Pro, P6-C00 Ascend P6, P7-L09 Ascend P7, Y600-U00 Ascend, G615-U10 Ascend, LUA-L21 Y3II, 204HW, S-U06 Ascend P6
Kyocera	DM015K Disney Mobile, 302KC Digno T, S2720, E4610, WX04K(DIGNO DUAL)
Lenovo	A376, A560, A628t, A630t, A680, A766, A788t, YT3-850F Yoga Tab 3 8
LG CDMA	US998 V30
LG GSM	LGL53BL X Style, LS777 Stylus 3 (Content), LS777 Stylus 3, L56VL X Style, L61AL Premier LTE, AS330 K7, K373 Escape 3, 440G, H630 G4 Stylus, H831 G5, H931 V30, DM-01G Disney, LS997 V20
Chinese phones	LOGOS 222, Oyster S, ECHO First, Alba ACF28 2.8, Amgoo AM102, Itel it2090, Itel it5010, Itel it5020, Zizo Z101 Z180
Chinese Android phones	LeEco Le X622, BQ Aquaris M5, Juning A8, Juning M9, Juning Z8, Mpie X800
Meizu	Y685H M3S, M611A M5
Micromax	X556
Motorola CDMA	XT1609 Moto G4 Play, XT1775 Moto E4 Plus
Motorola GSM	XT1621 Moto G4, XT1676 Moto G5, XT1671 Moto G5, XT1686 Moto G5, XT1575 Moto X Style, XT1575 Moto X Pure
MyPhone	IP67 Hammer, myPhone 3310
NEC	N-05E Medias W
NTT Docomo	SC-02H (Galaxy S7 edge)

**Logical extraction***168 newly supported devices (cont...)*

Nokia GSM	105 (RM-1134), 105 (RM-1135), TA-1003 Nokia 6, TA-1020 Nokia 3 Global, 3310 2017
Oppo	R9s, R9s (Bluetooth), R11, R11 (Bluetooth), A59s, A59s (Bluetooth), A37fw
Samsung GSM	SM-J200GU Galaxy J2, SM-J200H Galaxy J2, SM-S902L Galaxy S5, SM-G570F Galaxy J5 Prima Duos, SM-J510FN Galaxy J5, SM-J530F Galaxy J5 Pro, SM-T530 Galaxy Tab 4 7.0, SM-T378V Galaxy Tab E, SM-J730F Galaxy J7 Pro, SM-N950U Galaxy Note 8, SM-N916S Galaxy Note 4 S-LTE, SGH-S970G Galaxy S4, SM-S907VL Galaxy S6
Sharp	SBM009SH Aquos, DM011SH Disney Mobile
Smartisan	SM919 M1L
SoftBank	202K(DIGNO R)
Sony (SonyEricsson)	S51SE mini, E2363 Xperia M4
Tablets	VFD 1300 Smart Tab N8, Samsung SM-T530 Galaxy Tab 4 7.0, Samsung SM-T378V Galaxy Tab E, Acer A1-840FHD Iconia Tab 8, Lenovo YT3-850F Yoga Tab 3 8
VIVO	X7, Y11, Y11i T, Y66, Xplay 6, X9s, 1713 V5S
Vodafone	VFD 710 Smart V8, VFD 511 Smart E8, VFD 1300 Smart Tab N8
Xiaomi	HM 1W Redmi, Redmi Note 4X, Redmi 4X, Mi Mix (Logical (No Multimedia)), Mi Mix (Logical (Only Multimedia))
ZTE CDMA	Z223V, Z839, N9560 Max XL
ZTE GSM	Z818L All Star, Z818L All Star (Bluetooth), Z819L Stratos (Bluetooth), Z819L Stratos (USB), Z956 Grand X 4, T403 Telstra Easy Call 4, Z835 Maven 3, Z788G Illustra (USB), Z788G Illustra (Bluetooth)

## Cryptographic hash values information

You can validate the integrity of Cellebrite's UFED software files by verifying their cryptographic hash values. This can help you identify whether a file has been changed from its original state.

Product	MD5	SHA256 (Recommended)
Touch2 (cpkg)	1a06dafe47480fd4dfe8cff1aac515d8	d1602f156deb9a93b2cb5ac44472404fb1897cb1ca8087879cb4b11de23ff154
Touch (cpkg)	fcc275d7df59f4b80e84c7b62ecc7447	4403d153f9d11cc57e9d546e77f8fae1f1a9b196d3604f16f0a66e7e50c30196
4PC (cpkg)	086f534dadd766a9bb25fb2c7d99b993	51f179a053ee344e0b46eac2ab09f6e336a255cfb40a4e16f4b79c568a05684
4PC (exe)	54ff9c002adbc19a1052d0e68b7101e7	385723a110a510d6581065d742d883611182504d46ef9599d34a8be6aa45da64
UFED InField (cpkg)	04a5a538a4bf71618556498bc08ca000	0489573f895982d772a7c8667939905fe1d6f5f5b099749b1bddb70b0589038
UFED InField (exe)	51ba5e572f0049ef617f926e8dbd48a1	a5c43ba09b00188dec6fda3c883959141ebec11b9f99891388de0a0c2ff7c883
UFED Physical Analyzer	805a1b77c2026c2429e771d8044b6c41	ded66dfadc9cb154cc0f5c64e5db66e316d3e8104eb2c75ccd5180fb0aceabbb
UFED Logical Analyzer	e59f0ca2736930e07631ad9f7e8b4cd8	a1b4e064d6eaedd58df19eda057a76f6f819708720710f95bd0781385bd28f14
Reader	51e7c5083c063fe69d0124dd1ebeb1a4	70b84628af7cef568cf4848dab76216a5378c94abd3c18132e370b9053bd62b9
UFED Permission Manager	3c2e2c4bf0a35759104e4b7cb8579b69	c6834661998d8729f45f6e1919cf57a84cf7c5d5daf5222c7c6588f7fd9eff