

## Release Notes

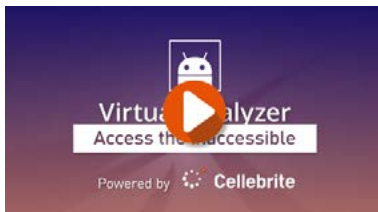
### UFED Ultimate & UFED InField v7.10

(Touch 2, Touch 2 Ruggedized, 4PC, Kiosk and Ruggedized Laptop)

### UFED Physical Analyzer, UFED Logical Analyzer & Cellebrite Reader v7.10

October 2018

- ✦ Now supporting: 26,179 device profiles
- ✦ App versions: 6,911



**First and only in the industry:** Display forensically sound digital evidence from +3M Android apps


Virtual Analyzer, Cellebrite's innovative capability, enables users to view an unprecedented number of Android applications in their native form. The application can decrypt, unlock, and decode the information, presenting it to the user on demand. Users can use the data to create powerful visual reports which can be used to effectively interrogate suspects, share findings with peers and present to juries.

**Industry First:** Access new evidence from the latest Mid-Low Samsung Qualcomm devices




Introducing another Cellebrite breakthrough capability, Physical Bypass for locked and encrypted mid-tier Samsung devices (SM-J327P, SM-J727V, SM-A9000 & more) with Qualcomm chipsets 8917, 8937, 8953 & 8976. This ground-breaking capability provides users with unmatched device access that enables unlock, and full file system and physical extractions.

## New EDL method can now extract data from LG devices

	<p>Previously, LG devices required Advanced Practice to insert them to EDL mode. Today, Cellebrite's new method, LG EDL, allows users to quickly and easily extract evidence from LG devices running Qualcomm chipsets (8909, 8916, 8936, 8939 &amp; 8952) without physically opening the device.</p>
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## Enrich mobile data with public cloud data sources

	<p>For the examiner or converged examiner who needs to find as much digital evidence as quickly as possible, about a person of interest, can now do it with UFED Physical Analyzer. Exclusively from Cellebrite, UFED Physical Analyzer can extract publicly available data from Facebook, Twitter and Instagram to help identify new suspects or witnesses, establish motive, and generate new investigative leads.</p>
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## Highlights

### App support

- For examiners who need to find as much evidence as possible on a mobile device, UFED Physical Analyzer 7.10 now decodes additional data from WhatsApp, including group descriptions, chat names, deleted and in-tact group images, participant images, chat admin participants and new system messages, that can reveal new suspects, help to expose crime rings and generate additional digital evidence to accelerate investigations.
- Now supported for iOS devices, Azar app, a communication application which allows users to talk and make friends with people from over 190 countries with over 100 million downloads worldwide. We can recover contact, chats and calls (presented as Instant Messages).
- 123 updated application versions for iOS and Android devices

Forensic methods	v. 7.10	Total
Logical extraction	103	10,631
Physical extraction	112	6,360
File system extraction	115	6,315
Extract/disable user lock	31	2,873
<b>Total</b>	<b>361</b>	<b>26,179</b>
*including GPS devices		
The number of unique mobile devices with passcode capabilities is 4,885		

## Functionality

### Virtual Analyzer - Unlock critical evidence from Android applications

#### Solve more cases with visual access to more applications

Applications contain key pieces of information that can provide great insights in an investigation. The number of applications available in the Google Play Store is 3.3 million.

As the number of applications available in the market and the number of installed applications on a single mobile device continues to grow, we are constantly adding more and more decoding capabilities and support to not only widen the decoding coverage in each version, but to help you uncover more evidence in your investigations.

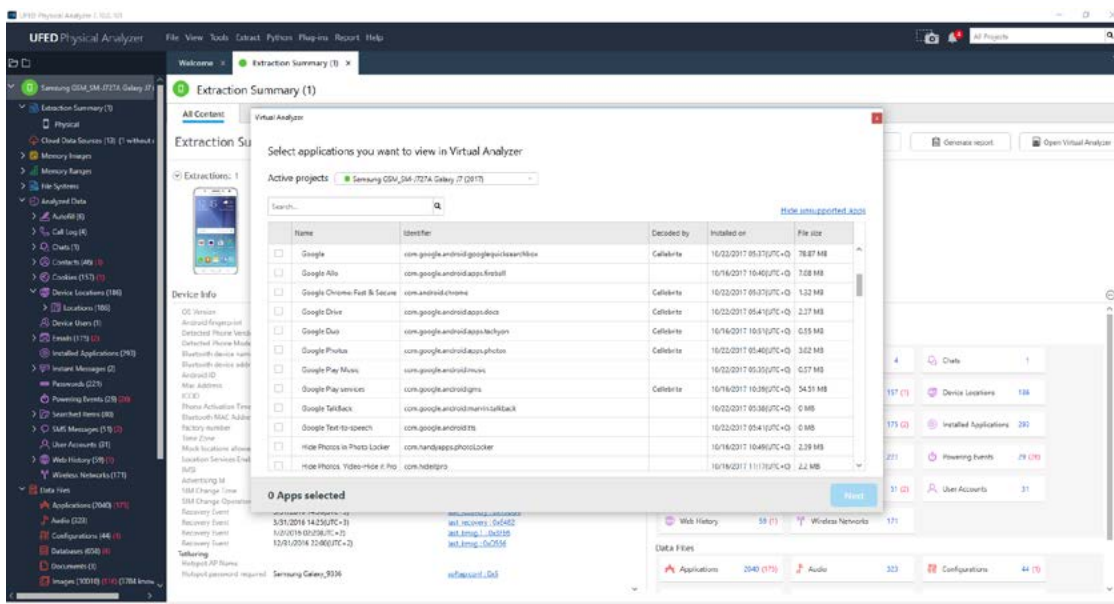
UFED Physical Analyzer 7.10, presents the Virtual Analyzer - a new, innovative and unique generic solution that provides greater access to any supported application. You can now view your data as if you were using the owner's device, validate decoded artifacts and recover data from unsupported apps.

You can also simulate exactly how the data appears from a user perspective, on a mobile device.

Let us show you how. But first, the Virtual Analyzer solution requires an Emulator. You can install the Emulator (powered by Cellebrite) – from MyCellebrite, or it can be downloaded from UFED Physical Analyzer.

#### Select apps to emulate:

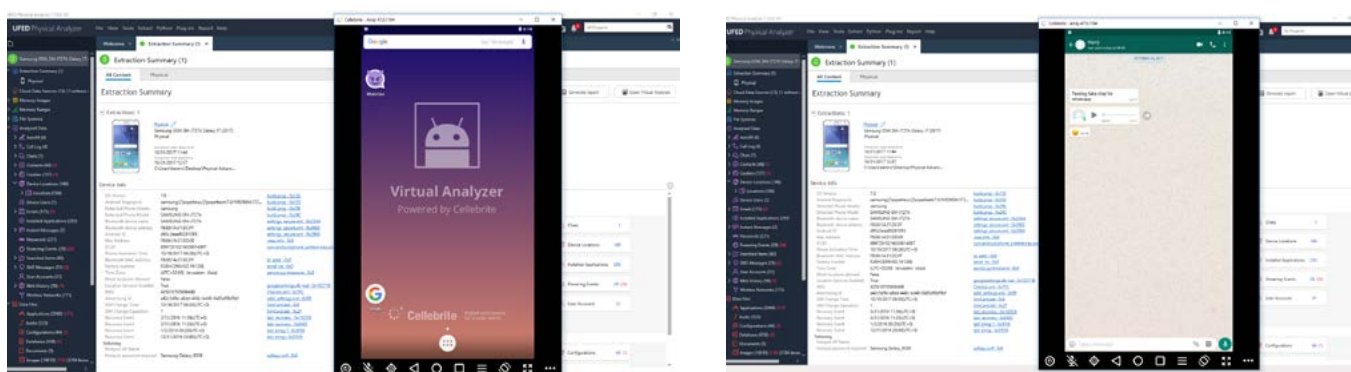
Using the Virtual Analyzer wizard, you can view a list of apps that can run on the Emulator. You can select up to 5 apps.



## Apps visualization in the Virtual Analyzer Emulator:

The Virtual Analyzer solution basically installs the selected application (using the APK file recovered as part of the physical extraction) on the Emulator, and copies apps data. Once ready, you can view the application on the Emulator. Virtual Analyzer restricts internet connectivity, so actions performed in the Emulator are not synced with the app's servers. Running an app in the Virtual Analyzer is like running it in airplane mode. You can navigate through, and get to the evidence required.

**You can use the Screen Capture tool to capture images or videos of any relevant evidence and include them in the project.**



### Important Notes:

- The Virtual Analyzer is a generic Android solution and may not support all available applications.
- The apps work the same way as if the device was in flight mode. App errors, pop-up windows, apps that are partially working, or not working at all, could be due to no internet connection.
- Apps which require internet connection may not work properly or not have all the data. There is an option to work online (with internet connectivity). Working online can subject the evidence to changes while syncing. You will not be able to revert any changes that may occur. If you want to switch to online mode, contact Cellebrite support.
- The Virtual Analyzer only displays the data as displayed by the device. Deleted files or metadata that are not displayed by the app, will not be displayed in the Virtual Analyzer.
- The Virtual Analyzer itself does not save any data, for each Virtual Analyzer session on a specific extraction, it will start from a clean slate

## Enrich digital evidence extracted from mobile devices with publicly available data from Facebook, Twitter and Instagram

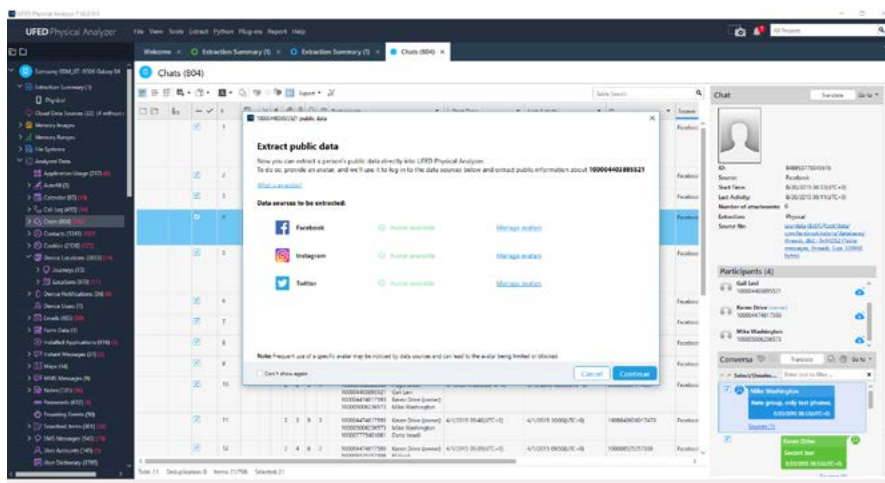
In recent years, publicly available data from social media channels has positively impacted investigations of all kinds, and has proved to be an excellent supplement to the hands-on, human, first-person investigative methods. However, up until now many of the existing methods have been manual, time consuming and ineffective.

Now, Cellebrite's UFED Physical Analyzer 7.10 provides a complimentary capability to automatically extract and preserve public domain, forensically sound data in one workflow. With an active UFED Physical Analyzer license, users can enrich their extracted data sources, and quickly reveal evidence hiding in plain sight on Facebook, Instagram and Twitter all in accordance with the laws of local jurisdictions.

### How it works:

You can quickly and easily get information on an unfamiliar contact

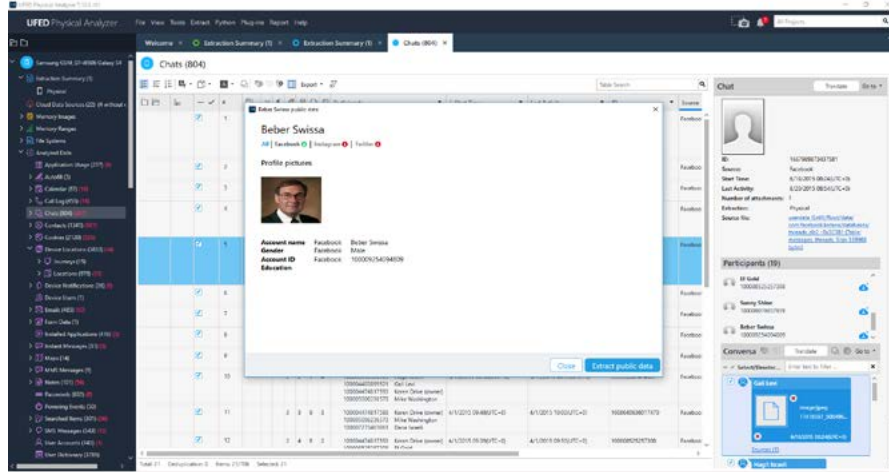
1. For such contacts with a Facebook ID, Instagram ID or Twitter ID, click the who's this person icon (right pane)



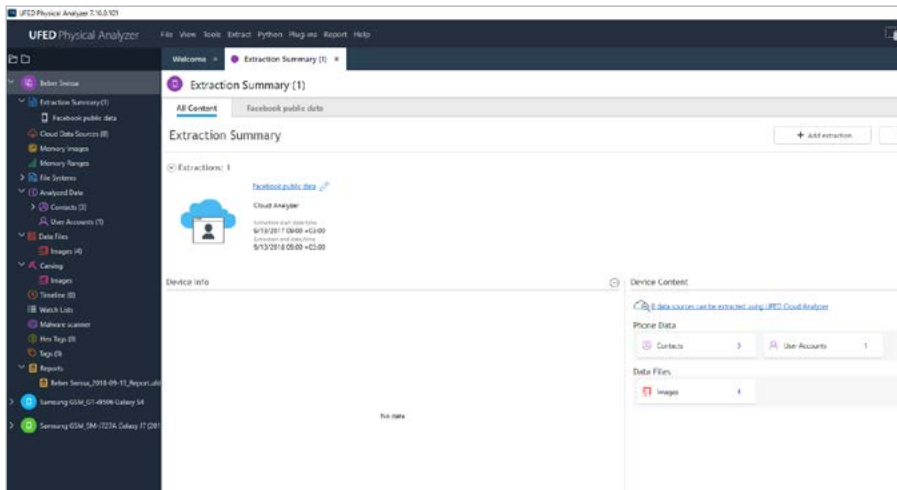
*Note: To benefit from this capability, you need to have an internet connection available. You can extract a person's public data by providing an avatar. UFED Physical Analyzer will use it to log in to the data sources and extract public information about the person.*

Continued:

- 2. The quick view shows the public details of the person and profile images, including gender, education, age, occupation, relationship status etc



- 3. To generate full extraction of this person, you can select a date range for the extraction, and even generate a UFDR with all the extracted data to not lose it when you close the application. Once the extraction is complete, you can view the data as a new separate project.



### WhatsApp new group information

You can now view group chat identifiers including: group image, group description, participants images, and admin participants.

### Locations indication in thumbnail view

A location icon is now presented in the images thumbnail view to images that have location information.


### New detailed offline maps for Taiwan and Fiji

available for download in My.Cellebrite.

#### Solved Issues:

- An issue when loading. pas (save session file) has now been resolved; correctly presents all tagged items
- A crash while decoding TomTom SIM data
- An issue with an empty HTML reports when selecting more than 10K images

#### iOS

Application	Type	Decoding Feature
 Azar	Messaging/Communication	User account, contacts, chats and calls (Instant messages)

## iOS: New and updated apps

1 new app	
65 updated apps	
Any.DO	4.20.3
ASKfm	4.21
Azar	1.29.3
Booking.com	17.2.1
Ctrip (Chinese)	7.14.0
DJI GO 4	4.2.22
Dropbox	104.2
Facebook	182.0
Facebook Messenger	176.0
Flipboard	4.2.13
Foursquare	11.9
Gmail	5.0.180701
Google App	54.0
Google Docs	1.2018.24203
Google Drive	4.2018.28203
Google Duo	37.1
Google Maps	4.54
Google+	6.38.0
Grindr	3.31.1
GroupMe	5.22.0
Hike Messenger	5.12.12
Hot or Not	5.70.0
Inbox	1.3.180617
Instagram	55.0
Kakao Story	5.1.5
KakaoTalk	7.3.3
Keeper	12.0.2
KeepSafe	8.14.0
Kik Messenger	14.2.0
LINE	8.9.0
Linkedin	9.1.88



Continued	
Mail.Ru	9.7
Meet24	1.7.59
MeetMe	12.13.0
Momo	8.8.4
Musical.ly	7.6
Nike+ Run Club	5.17.0
Odnoklassniki	7.15.2
OkCupid	10.22.0
Opera Mini	16.0.11
Pinterest	6.61
QQ Browser	8.6.2
Remember The Milk	4.3.17
Runtastic	8.7
SayHi	7.04
Skout	5.7.1
Skype	8.25
Snapchat	10.37.0.29
Tango	5.0.228581
Taxify	Cl.3.47
Telegram Messenger	4.9
Text Now	8.31.1
textPlus	7.3.1
Twitter	7.28.2
Uber	3.308.10000
Viber	9.3.2
Vkontakte	4.8.1
Waze	4.41
WeChat	6.7.1
Weibo	8.7.1
WhatsApp	2.18.80
Whisper	8.10.3
Yandex Browser	18.7.1.427
Yandex Mail	3.6.3
Yubo	3.3
Zalo	180701

## Android: New and updated apps

58 updated apps	
Any.DO	4.9.8.10
ASKfm	4.20.1
BBM	3.3.16.151
Booking.com	15.5.2
DJI GO	3.1.43
DJI GO 4	4.2.21
Dropbox	104.2.4
Expedia	18.28.0
Facebook	181.0.0.36.82
Fitbit	2.74.2
Flipboard	4.1.24
Gmail	8.7.1.204805656.release
Google Duo	37.0.203822913.DR37_RC11
Google Maps	9.82.2
Google Photos	3.24.0.204162798
Grindr	4.0.0
Hot or Not	5.73.0
ICQ	7.3(823171)
Inbox	1.75.204395571.release
Instagram	55.0.0.12.79
KakaoTalk	7.3.2
Keeper	12.1.0
KeepSafe	9.14.1
Kik Messenger	14.1.2.11629
LINE	8.11.0
LinkedIn	4.1.194
LOCX Applock	2.3.1.058
Mail.Ru	7.55.0.1047
Mappy	6.1828.16247
MeetMe	12.13.1.1370
Nimbuzz	6.0.3
Odnoklassniki	18.7.10
OkCupid	11.9.1

One Drive	5.13
Pokemon GO	0.109.2
Private Zone – AppLock	4.8.6
SayHi	6.97
Skout	5.8.0
Skype	8.26.0.70
Snapchat	10.37.0.0
Sygic	17.4.11
Tango	5.0.228668
Telegram Messenger	4.9.0
Text Now	5.64.0
textPlus	7.3.1
TigerText	7.7.1.607
Tinder	9.4.0
Tumblr	11.2.0.01
Twitter	7.55.0.1047
Uber	4.218.10002
UC Browser	12.8.5.1121
Viber	9.3.0.6
Voxer	3.18.17.21029
Weibo	8.7.1
WhatsApp	2.18.217
Whisper	9.17.0
Yandex Browser	18.6.0.683
Zalo	18.06.02

## Device List

Physical Bypass for 21 locked and encrypted mid-tier Samsung devices with Qualcomm chipsets (8917, 8937, 8952, 8953 & 8976)

Samsung GSM	SM-S327VL Galaxy J3 Luna Pro, S727VL Galaxy J7 Sky Pro, SM-A9100 Galaxy A9 Pro 2016, SM-C5010 Galaxy C5 Pro, SM-C7000 Galaxy C7, SM-C7010 Galaxy C7 Pro, SM-G160N Galaxy Folder 2, SM-G5700 Galaxy J5 Prime, SM-G6100 Galaxy On7 2016, SM-J250F_DS Galaxy J2 2018, SM-J727P Galaxy J7 Perx, SM-C5000 Galaxy C5, SM-J327P Galaxy J3 Emerge, SM-A9000 Galaxy A9, C9000 Galaxy C9 Pro, SM-T385 Galaxy Tab A, SM-T719 Galaxy Tab S2,
Samsung CDMA	SM-J727R4 Galaxy J7 2017, SM-J727V Galaxy J7 (2017), SM-T818V Galaxy Tab S3

Physical Bypass for 24 LG device running Qualcomm chipsets (8909, 8916, 8936, 8939 & 8952) via EDL method

LG GSM	F650K X Screen, F720L Stylus 2, H343 Risio, K210 X Power, K450 X Power, K500N X screen, K520DY Stylus 2, M150, M151 K4, M153 Fortune LTE, M160 K4 2017, M160E K4 2017, MS428 K10, V520 G Pad X 8.0, H343 Risio, K450 X Power, K500N X screen
LG CDMA	K212 X Power, UK750 G Pad X II 10.1, US110 K3 2017, US375 K8, US610 X Power, VS500PP K8 V, VS500PP K8 V

## Physical extraction while bypassing lock

76 newly supported devices

Alcatel	4027A OneTouch Pixi 3 4.5, 4044T Go Flip, 5015X One Touch Pop 3, 50980 Pixi Theatre
BQ	Aquaris M5
Chinese Android phones	Blackview A9 Pro, Blackview S6, Blackview A7 Pro, Energy Phone Max 4000, JIAYU JY-G2, JIAYU JY-G2S
HTC	PH06130 ChaCha, HTC Droid Incredible 4G LTE ADR6410 Fireball
Kyocera	C6740
Huawei	LUA-L02 Y3 II
Lenovo	P770, A2016a40 Vibe B, TB-X704A Tab 4
LG CDMA	UK750 G Pad X II 10.1, US110 K3 2017
LG GSM	L43AL Rebel, L62VL Premier, L81AL Stylo 2, LGL82VL Stylo 2, LG LGL57BL Rebel 2, M160E K4 2017, L56VL X Style, L61AL Premier LTE

Nokia GSM	TA-1024 Nokia 5
Oppo	CPH1701 A57, R9s, R9sk R9s, 1107
Samsung CDMA	SM-J727R4 Galaxy J7 2017, SM-J727V Galaxy J7 (2017), SM-T818V Galaxy Tab S3
Samsung GSM	SM-C5010 Galaxy C5 Pro, SHV-E230S Note 10.1 LTE, SM-J250F_DS Galaxy J2 2018, SM-T385 Galaxy Tab A, SM-T580 Galaxy Tab A (2016), GT-P1000N Galaxy Tab, SM-G5700 Galaxy J5 Prime, SC-05G (Galaxy S6), SM-C5000 Galaxy C5, SM-C7000 Galaxy C7, SM-C7010 Galaxy C7 Pro, SM-G160N Galaxy Folder 2, SM-J327P Galaxy J3 Emerge, SM-S327VL Galaxy J3 Luna Pro, SM-T719 Galaxy Tab S2, SM-J727P Galaxy J7 Perx, S727VL Galaxy J7 Sky Pro, SM-G6100 Galaxy On7 2016, SM-A9000 Galaxy A9, C9000 Galaxy C9 Pro, SM-A9100 Galaxy A9 Pro 2016
Smartisan	YQ601 U1
T-Mobile	myTouch 4G Glacier, T-Mobile G2
Tablets	SM-T385 Galaxy Tab A, SM-T580 Galaxy Tab A (2016), Samsung SHV-E230S Note 10.1 LTE, Samsung GT-P1000N Galaxy Tab, Samsung SM-T719 Galaxy Tab S2, LG UK750 G Pad X II 10.1, Samsung SM-T818V Galaxy Tab S3, Samsung GT-P3113TS Galaxy Tab 2 7.0
Vertu	VM-06 Signature S 2017 S
VIVO	X520A Xplay3S, Y66
Wiko	Freddy
ZTE GSM	Blade BA601, A2017 Axon 7, Z851 Prelude Plus, B2017G Axon 7 Mini

## Physical extraction

112 newly supported devices	
Alcatel	4027A OneTouch Pixi 3 4.5, 4044T Go Flip, 5015X One Touch Pop 3, 5026D 3C, 5059D 1X, 5080Q Shine Lite Optus X Sleek, 7047A Pop C9, 5041C, 50980 Pixi Theatre
BLU	A090L Advance 4.0M
BQ	Aquaris M5
Chinese Android phones	Meitu MP1603 M8, Meitu MP1602 T8, Gphone F23, Maze Alpha, Blackview A9 Pro, Blackview S6, Blackview A7 Pro, Energy Phone Max 4000
Chinese phones	L.M.D Telecom T10, Smooth SNAP Amigo, Konrow Stone
Coolpad	3600I Note 5
HTC	2PQ9120 One A9, 2Q4R100 U11 EYEs, PH06130 ChaCha, HTC Droid Incredible 4G LTE ADR6410 Fireball
Huawei	MLA-UL00 G9 Plus, ANE-LX3 P20 Lite, LUA-L02 Y3 II, RNE-L23 Mate 10 Lite, NCE-AL10 Enjoy 6, CLT-L29 P20 Pro, LDN-AL00 Enjoy 8, BND-L21 Honor 7X, FLA-AL20 Enjoy 8 Plus, FLA-LX3 Y9 2018
Infinix	X572 Note 4

Continued	
Lenovo	TD80T Miro, P770, A2016a40 Vibe B
LG GSM	L21G Destiny HSPA, LG-SP200 Tribute Dynasty, LG-SP320 X Charge, LM-X212TA Aristo 2 Plus, LM-X410TK K30, US700 Q6, AS998 V30
Maxwest	Vice 3G
Meizu	Pro 6, M792H Pro 7, M712Q Meilan S6, MEILAN E3, M712H M6S
Motorola GSM	XT1776 Moto E4 Plus, XT1805 Moto G5S Plus, XT1806 Moto G5S Plus, XT1926-9 Moto G6 Plus
Nokia GSM	TA-1068 Nokia 6.1, TA-1046 Nokia 7 Plus, TA-1024 Nokia 5
Oppo	R11st, R8106 R5, PACM00 R15
Prestigio	PSP7501DUO Grace R7
Samsung CDMA	SCH-I520
Samsung GSM	SM-C5010 Galaxy C5 Pro, SHV-E230S Note 10.1 LTE, SM-J250G_DS Galaxy J2 Pro, SM-J250F_DS Galaxy J2 2018, SM-T385 Galaxy Tab A, SM-J400M Galaxy J4, SM-T580 Galaxy Tab A (2016), SM-J600G_DS Galaxy J6, SM-A605GN Galaxy A6+ 2018, SM-A605G_DS Galaxy A6+, SM-G9650_DS Galaxy S9+, SM-G965U1 Galaxy S9+, SM-G965W Galaxy S9+, SM-G9600_DS Galaxy S9, GT-P1000N Galaxy Tab, SM-G5700 Galaxy J5 Prime
SoftBank	Sharp 401SH Aquos Hybrid
Sony (SonyEricsson)	H3213 Xperia XA2, H3321 Xperia L2, H8314 XZ2 Compact
T-Mobile	myTouch 4G Glacier, T-Mobile G2
Tablets	SM-T385 Galaxy Tab A, SM-T580 Galaxy Tab A (2016), Samsung SHV-E230S Note 10.1 LTE, Samsung GT-P1000N Galaxy Tab
VIVO	X9S Plus, X21A, X520A Xplay3S
Wiko	Freddy
ZTE GSM	NX529J Nubia Z11 Mini, NX609J Nubia Red Magic, NX563J Nubia Z17, Blade BA601, NX573J Nubia M2 Lite, NX575J Nubia N2, A0616 Blade A3, Z557BL ZFive, A2017 Axon 7, Z851 Prelude Plus, B2017G Axon 7 Mini, C2017 Axon 7 Max

## File system extraction while bypassing lock

15 newly supported devices	
Alcatel	5049W Revvl
HTC	PH06130 ChaCha, HTC Droid Incredible 4G LTE ADR6410 Fireball
LG GSM	F800S V20
Nokia GSM	Fake Nokia E79+, TA-1020 Nokia 3
Samsung GSM	SM-C5010 Galaxy C5 Pro, SM-J250F_DS Galaxy J2 2018, SM-T385 Galaxy Tab A, SM-T580 Galaxy Tab A (2016), SM-G5700 Galaxy J5 Prime
T-Mobile	myTouch 4G Glacier, T-Mobile G2
Tablets	SM-T385 Galaxy Tab A, SM-T580 Galaxy Tab A (2016)

## File system extraction

115 newly supported devices	
Alcatel	4027A OneTouch Pixi 3 4.5, 5015X One Touch Pop 3, 5026D 3C, 5059D 1X, 5080Q Shine Lite Optus X Sleek, 7047A Pop C9, 5041C, 5049W Revvl
BLU	A090L Advance 4.0M, X150Q Win HD 4G
BQ	Aquaris M5
Chinese phones	IMO Dash, L.M.D Telecom T10, Smooth SNAP Amigo Smooth SNAP Amigo, Konrow Stone
Chinese Android phones	Meitu MP1603 M8, Meitu MP1602 T8, Gphone F23, Maze Alpha, Blackview A9 Pro, Blackview S6, Blackview A7 Pro, Energy Phone Max 4000
Coolpad	3600I Note 5
HTC	2PQ9120 One A9, 2Q4R100 U11 EYEs, PH06130 ChaCha, HTC Droid Incredible 4G LTE ADR6410 Fireball
Huawei	MLA-UL00 G9 Plus, ANE-LX3 P20 Lite, LUA-L02 Y3 II, RNE-L23 Mate 10 Lite, NCE-AL10 Enjoy 6, CLT-L29 P20 Pro, LDN-AL00 Enjoy 8, BND-L21 Honor 7X, FLA-AL20 Enjoy 8 Plus, FLA-LX3 Y9 2018
Infinix	X572 Note 4
Lenovo	TD80T Miro, P770, A2016a40 Vibe B
LG GSM	L21G Destiny HSPA, LG-SP200 Tribute Dynasty, LG-SP320 X Charge, LM-X212TA Aristo 2 Plus, US700 Q6, AS998 V30, F800S V20
Maxwest	Vice 3G
Meizu	Pro 6, M792H Pro 7, M712Q Meilan S6, MEILAN E3, M712H M6S
Motorola GSM	XT1776 Moto E4 Plus, XT1805 Moto G5S Plus, XT1806 Moto G5S Plus, XT1926-9 Moto G6 Plus

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Nokia GSM	TA-1068 Nokia 6.1, TA-1046 Nokia 7 Plus, TA-1024 Nokia 5, Fake Nokia E79+, TA-1020 Nokia 3
Oppo	R11st, R8106 R5, PACM00 R15
Prestigio	PSP7501DUO Grace R7
Samsung CDMA	SCH-I520
Samsung GSM	SM-C5010 Galaxy C5 Pro, SHV-E230S Note 10.1 LTE, SM-J250G_DS Galaxy J2 Pro, SM-J250F_DS Galaxy J2 2018, SM-T385 Galaxy Tab A, SM-J400M Galaxy J4, SM-T580 Galaxy Tab A (2016), SM-J600G_DS Galaxy J6, SM-A605GN Galaxy A6+ 2018, SM-A605G_DS Galaxy A6+, SM-G9650_DS Galaxy S9+, SM-G965U1 Galaxy S9+, SM-G965W Galaxy S9+, SM-G9600_DS Galaxy S9, GT-P1000N Galaxy Tab, SM-G5700 Galaxy J5 Prime
SoftBank	Sharp 401SH Aquos Hybrid
Sony (SonyEricsson)	H3213 Xperia XA2, H3321 Xperia L2, H8314 XZ2 Compact
T-Mobile	myTouch 4G Glacier, T-Mobile G2
Tablets	SM-T385 Galaxy Tab A, SM-T580 Galaxy Tab A (2016), Samsung SHV-E230S Note 10.1 LTE, Samsung GT-P1000N Galaxy Tab
VIVO	X9S Plus, X21A, X520A Xplay3S
Wiko	Freddy
ZTE GSM	NX529J Nubia Z11 Mini, NX609J Nubia Red Magic, NX563J Nubia Z17, Blade BA601, NX573J Nubia M2 Lite, NX575J Nubia N2, A0616 Blade A3, Z557BL ZFive, A2017 Axon 7, Z851 Prelude Plus, B2017G Axon 7 Mini, C2017 Axon 7 Max
T-Mobile	myTouch 4G Glacier, T-Mobile G2
Tablets	SM-T385 Galaxy Tab A, SM-T580 Galaxy Tab A (2016), Samsung SHV-E230S Note 10.1 LTE, Samsung GT-P1000N Galaxy Tab
VIVO	X9S Plus, X21A, X520A Xplay3S
Wiko	Freddy
ZTE GSM	NX529J Nubia Z11 Mini, NX609J Nubia Red Magic, NX563J Nubia Z17, Blade BA601, NX573J Nubia M2 Lite, NX575J Nubia N2, A0616 Blade A3, Z557BL ZFive, A2017 Axon 7, Z851 Prelude Plus, B2017G Axon 7 Mini, C2017 Axon 7 Max



## Logical extraction

103 newly supported devices	
Alcatel	4027A OneTouch Pixi 3 4.5, 5026D 3C, 5059D 1X, 5080Q Shine Lite Optus X Sleek, 7047A Pop C9, 5041C, 50980 Pixi Theatre, 5015X One Touch Pop 3
BLU	A090L Advance 4.0M, X150Q Win HD 4G (USB), X150Q Win HD 4G (BT)
Coolpad	3600I Note 5
HTC	2PQ9120 One A9, 2Q4R100 U11 EYEs, PH06130 ChaCha, Droid Incredible 4G LTE ADR6410 Fireball
Huawei	ANE-LX3 P20 Lite, FLA-AL20 Enjoy 8 Plus, FLA-LX3 Y9 2018, LUA-L02 Y3 II, RNE-L23 Mate 10 Lite, NCE-AL10 Enjoy 6, CLT-L29 P20 Pro, LDN-AL00 Enjoy 8, BND-L21 Honor 7X
Infinix	X572 Note 4
Lenovo	TD80T Miro, A2016a40 Vibe B
LG GSM	L21G Destiny HSPA, LG-SP200 Tribute Dynasty, LG-SP320 X Charge, LM-X212TA Aristo 2 Plus, US700 Q6, AS998 V30
Chinese phones	IM0 Dash, L.M.D Telecom T10, Smooth SNAP Amigo, Konrow Stone
Chinese Android phones	Meitu MP1603 M8, Meitu MP1602 T8, Gphone F23, Maze Alpha, Blackview A9 Pro, Blackview S6, Blackview A7 Pro, Energy Phone Max 4000
Maxwest	Vice 3G
Meizu	Pro 6, M792H Pro 7, M712Q Meilan S6, MEILAN E3, M712H M6S
Motorola GSM	XT1776 Moto E4 Plus, XT1805 Moto G5S Plus, XT1806 Moto G5S Plus, XT1926-9 Moto G6 Plus
Nokia GSM	TA-1024 Nokia 5, TA-1068 Nokia 6.1, TA-1046 Nokia 7 Plus
Oppo	R11st, CPH1725 A73, R8106 R5, PACM00 R15
Prestigio	PSP7501DUO Grace R7
Samsung CDMA	SCH-I520
Samsung GSM	SM-J250G_DS Galaxy J2 Pro, SM-J250F_DS Galaxy J2 2018, SM-C5010 Galaxy C5 Pro, SHV-E230S Note 10.1 LTE, SM-T385 Galaxy Tab A, SM-J400M Galaxy J4, SM-G5700 Galaxy J5 Prime, SM-T580 Galaxy Tab A (2016), SM-J600G_DS Galaxy J6, SM-A605G_DS Galaxy A6+, SM-A605GN Galaxy A6+ 2018, SM-G9650_DS Galaxy S9+, SM-G965W Galaxy S9+, SM-G9600_DS Galaxy S9, SM-G965U1 Galaxy S9+, GT-P1000N Galaxy Tab
Sony (SonyEricsson)	H3321 Xperia L2, H8314 XZ2 Compact, H3213 Xperia XA2
Tablets	Samsung SM-T385 Galaxy Tab A, Samsung SHV-E230S Note 10.1 LTE, Samsung GT-P1000N Galaxy Tab
VIVO	X520A Xplay3S, X9S Plus, X21A
Wiko	Freddy
Xiaomi	M1803E7SH Redmi Note 5
ZTE GSM	NX529J Nubia Z11 Mini, NX609J Nubia Red Magic, NX563J Nubia Z17, Blade BA601, NX573J Nubia M2 Lite, NX575J Nubia N2, A0616 Blade A3, Z557BL ZFive, Z851 Prelude Plus, A2017 Axon 7, B2017G Axon 7 Mini, C2017 Axon 7 Max

## 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	SHA-256 (Recommended)
UFED Touch2 (cpkg)	3524f07343a4cb288a89870876e51eda	3f86f5a732a936bf0c77289ab4ba2a23595af3a456f6c51e5495a55964b3dc2
4PC (cpkg)	c56907201125af82e15a110e31757924	6bb28548962b22b9bce13fa47896285e6b7d40c7d5aa709bc3e515798f56b452
4PC (exe)	a29f1ac7082350dec7a210dfc124454d	c62d0c5be235269fbf39bf14dee2ba187d0a06ab04039192b5918ac9725e3c2f
UFED InField (cpkg)	0c66f7e8904ff58466435b733d851e34	1ca207d5ee85fd5dfd81340d3523a8864f1c22545d192724fbffd47672716cac
UFED InField (exe)	cd4d246c51e79310e71388854151a164	3666ea7489a2cbd7244dc99b3d16251b989f4316e5b52c0f9c22a2854ba5d8d0
Permission Manager (exe)	c129752a6724111b8adffb8d9cf6bfa3	6bc6ba685ce69a9e1b23f44e05247a2c337f8348cc067ff9509385f222b80b52
UFED Physical Analyzer	143b658e4303e7e49059945055715c2d	333bf57834603c38543cd7b9d19887bca3efd6bba3583d94337cee55fd8ba659
UFED Logical Analyzer	dfce311d852e8ee4f7f5c802af0f60ba	173f17c958d1eb5caf3b89d8e4d23e6c4115a0fa2309e78ef22b6ef6f7b35a03
Cellebrite Reader	32e4871f6eb19eec91b3a93d2550ec46	d8be9ffec165ed3359069fcd4c3b36f39c4f4abb25f197e6127673adbe5e3c07