

# ARCore supported devices

What does it mean for a device to be supported? In short, it means it has passed our certification process.

Certification is important because we want users to have a good experience with your AR application. This is primarily related to sensitive motion tracking, which is done by combining the camera image and the motion sensor input to determine how the user's device moves through the real world.

To certify each device, we check the quality of the camera, motion sensors, and the design architecture to ensure it performs as expected. Also, the device needs to have a powerful enough CPU that integrates with the hardware design to ensure good performance and effective real-time calculations.

We are constantly working with manufacturers to make sure their hardware and designs meet these requirements. At the same time, we are working internally to make sure ARCore integrates well with every model we certify to provide good experiences for users.

See [Fundamental Concepts \(/ar/discover/concepts\)](/ar/discover/concepts) for more details.

## Supported device models

A list of specific device models that are currently supported are listed here:

- [Android device emulators \(#emulators\)](#)
- [Android \(Google Play\) \(#google\\_play\)](#)
- [Android \(China\) \(#android\\_china\)](#)
- [iOS \(#ios\)](#)

## Android device emulators

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Manufacturer	Device model	Comments
Google	Any x86 or x86_64 based AVD	Requires Android 8.1 (API 27) or later. The rear-facing (world) camera is emulated with a <a href="#">virtual scene (/ar/develop/java/emulator#create_avd)</a> . The front-facing (selfie) camera is not supported.

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## Android (Google Play)

The Android devices listed here support ARCore via [Google Play Services for AR](https://play.google.com/store/apps/details?id=com.google.ar.core) (<https://play.google.com/store/apps/details?id=com.google.ar.core>), which enables augmented reality (AR) experiences built with an ARCore SDK, if the following conditions are met:

1. The device originally shipped with the Google Play Store
2. The device is running the minimum Android version listed in table below  
If no version is listed, the device must be running Android 7.0 or newer
  - "AR Optional" apps must declare `minSdkVersion ≥ 19` ([API Level 19](https://source.android.com/setup/start/build-numbers) (<https://source.android.com/setup/start/build-numbers>))
  - "AR Required" apps must declare `minSdkVersion ≥ 24` ([API Level 24](https://source.android.com/setup/start/build-numbers) (<https://source.android.com/setup/start/build-numbers>))

Additional information about ARCore supported devices can be viewed in or downloaded from the [Google Play Console](https://play.google.com/console) (<https://play.google.com/console>), including the following model-specific information:

- CPU/GPU SoC (System on chip)
- Screen sizes and densities
- Supported ABIs
- Android API level
- OpenGL ES versions
- Device model codes as returned by `adb shell getprop ro.product.device`

## Device list (CSV file)

The downloaded CSV file will look something like this:

```
Manufacturer,Model Name,Model Code,RAM (TotalMem),Form Factor,System on Chip,Screen Si
Google,Pixel 4,flame,5466MB,Phone,Qualcomm SDM855,1080x2280,440,arm64-v8a;armeabi-v7a;
Google,Pixel 4 XL,coral,5466MB,Phone,Qualcomm SDM855,1440x3040,560,arm64-v8a;armeabi-v
Google,Pixel 3,blueline,3546-3580MB,Phone,Qualcomm SDM845,1080x2160,440,arm64-v8a;arme
Google,Pixel 3 XL,crosshatch,3546-3580MB,Phone,Qualcomm SDM845,1440x2960,560,arm64-v8a
Google,Pixel 3a,sargo,3593MB,Phone,Qualcomm SDM670,1080x2220,440,arm64-v8a;armeabi-v7a
Google,Pixel 3a XL,bonito,...
```

...

To download the CSV file:

1. Upload an *AR Required* ([Android Kotlin/Java](#) (`/ar/develop/java/enable-arcore#ar-type`), [Android NDK](#) (`/ar/develop/c/enable-arcore#ar_required`), [Unity for Android](#) (`/ar/develop/unity/enable-arcore#ar_required`), [ARCore Extensions for Unity's AR Foundation](#)

(/ar/develop/unity-arf/enable-arcore#ar\_required), [Unreal](#) (/ar/develop/unreal/enable-arcore#ar\_required)) app to the [Google Play Console](https://play.google.com/console) (https://play.google.com/console).

2. Select the *AR Required* app, and from the **Reach and devices** drop-down menu, select **Device catalog**; then, above the device list and on the left side of the page, click **Download device list**.

## Device list (table)

The following table summarizes supported models by manufacturer. Model-specific restrictions are noted in the comments. In addition:

- **OpenGL ES:** The vast majority of devices support OpenGL ES 3.2. All devices support at least OpenGL ES 3.0. Device-specific information is available from the Google Play Console.
- **Depth API:** As of May 2022, approximately 82% of active devices support the Depth API.

Manufacturer	Device model	Comments
Asus	ROG Phone	
Asus	ROG Phone II	
Asus	ROG Phone III	Supports Depth API
Asus	ROG Phone 5	Supports Depth API
Asus	Zenfone 6	
Asus	Zenfone 7/7 Pro	Supports Depth API
Asus	Zenfone 8	Supports Depth API
Asus	Zenfone AR	
Asus	Zenfone ARES	
Balmuda	Balmuda Phone	Supports Depth API
Fujitsu	arrows 5G F-51A	Supports Depth API
Fujitsu	arrows NX9 F-52A	Supports Depth API
FCNT	arrows We A101FC	
FCNT	arrows We-F-51	
FCNT	arrows We FCG01	
General Mobile	GM 9 Plus	
Google	Nexus 5X	Requires Android 8.0 or later Not currently included in the <a href="#">CSV file</a> (#google_play_csv) provided by the Google Play Console
Google	Nexus 6P	Requires Android 8.0 or later

Manufacturer	Device model	Comments
Google	Pixel	
Google	Pixel XL	
Google	Pixel 2	Supports 60 fps camera capture frame rate on the rear-facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 2 XL	Supports 60 fps camera capture frame rate on the rear-facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 3	Supports 60 fps camera capture frame rate on the rear-facing camera When 60 fps camera capture mode is active, the camera uses fixed focus Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 3 XL	Supports 60 fps camera capture frame rate on the rear-facing camera When 60 fps camera capture mode is active, the camera uses fixed focus Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 3a	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 3a XL	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 4	Supports 60 fps camera capture frame rate on the rear-facing camera on Android 10 Dec 2019 OTA or later Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Dual camera support will be rolled out in the coming weeks
Google	Pixel 4 XL	Supports 60 fps camera capture frame rate on the rear-facing camera on Android 10 Dec 2019 OTA or later Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Dual camera support will be rolled out in the coming weeks
Google	Pixel 4a	Supports Depth API
Google	Pixel 4a 5G	Supports Depth API
Google	Pixel 5	Supports 60 fps camera capture frame rate on the rear-facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 5a 5G	Supports 60 fps camera capture frame rate on the rear-facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API

Manufacturer	Device model	Comments
Google	Pixel 6	Supports 60 fps camera capture frame rate on the rear-facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Google	Pixel 6 Pro	Supports 60 fps camera capture frame rate on the rear-facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
HMD Global	Nokia 3.4	
HMD Global	Nokia 5.4	
HMD Global	Nokia 6 (2018)	Also known as Nokia 6.1
HMD Global	Nokia 6.1 Plus	
HMD Global	Nokia 6.2	Requires Android 10.0 or later
HMD Global	Nokia 7 Plus	
HMD Global	Nokia 7.1	
HMD Global	Nokia 7.2	Requires Android 10.0 or later
HMD Global	Nokia 8	Requires Android 8.0 or later
HMD Global	Nokia 8 Sirocco	
HMD Global	Nokia 8.1	
HMD Global	Nokia 8.3 5G	
HTC	Desire 21 Pro 5G	Supports Depth API
Huawei	Honor 8X	
Huawei	Honor 10	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	Honor View 10 Lite	
Huawei	Honor V20	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	Mate 20 Lite	Supports Depth API
Huawei	Mate 20	Supports Depth API
Huawei	Mate 20 Pro	Supports Depth API
Huawei	Mate 20 X	Supports Depth API

Manufacturer	Device model	Comments
Huawei	Nova 3	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	Nova 3i	Supports Depth API
Huawei	Nova 4	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	P20	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	P20 Pro	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Huawei	P30	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	P30 Pro	Supports multiple GPU texture resolutions - 2048x1536, 1280x960, 480p
Huawei	Porsche Design Mate RS	
Huawei	Porsche Design Mate 20 RS	
Huawei	Y9 2019	Does not support Geospatial API
Infinix Mobile	Note 6	
Infinix Mobile	Note 7	
Infinix Mobile	Zero 5G	Supports Depth API
Infinix Mobile	Zero 8	
Infinix Mobile	Zero 8i	
Infinix Mobile	Zero X	Supports Depth API
Infinix Mobile	Zero X Pro	Supports Depth API
Infinix Mobile	Zero X Neo	Supports Depth API
Infinix Mobile	Note 10 Pro	
Infinix Mobile	Note 11	
Infinix Mobile	Note 11 Pro	Supports Depth API
Infinix Mobile	Note 11S	Supports Depth API

Manufacturer	Device model	Comments
Infinix Mobile	Note 12	
Infinix Mobile	Note 12 VIP	Supports Depth API
Kyocera	Torque 5G	Supports Depth API
Kyocera	Torque G04	
Kyocera	Duraforce Ultra 5G	
Kyocera	DuraSport 5G	
Kyocera	Android One S9	Supports Depth API
Kyocera	DIGNO SANGA edition	Supports Depth API
Lenovo	Lenovo K13 Note	Supports Depth API
Lenovo	Lenovo Tab P11 Pro	Supports Depth API
Lenovo	Lenovo Tab P11 5G	Supports Depth API
Lenovo	Lenovo Tab P11 Plus	
Lenovo	Lenovo Yoga Tab 11	Supports Depth API
Lenovo	Lenovo Tab P12 Pro	Supports Depth API
Lenovo	Lenovo LAVIETab T12 12QHD1	
LitByLeia	Lume Pad	Supports Depth API
LG	G6	Requires Android 8.0 or later
LG	G7 Fit	
LG	G7 One	
LG	G7 ThinQ	ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	G8 ThinQ	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
LG	G8S ThinQ	
LG	G8X ThinQ	Supports Depth API
LG	G Pad 5 10.1 FHD	
LG	K61	
LG	K71	
LG	K92	Supports Depth API

Manufacturer	Device model	Comments
LG	Q6	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
LG	Q70	
LG	Q8	
LG	Q92	Supports Depth API
LG	style2	ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	style3	
LG	Stylo 5	
LG	Stylo 6	
LG	Stylo 7	Supports Depth API
LG	V30	Requires Android 8.0 or later ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	V30+	Requires Android 8.0 or later ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	V30+ JOJO	Requires Android 8.0 or later ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	LG Signature Edition 2017	Requires Android 8.0 or later ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	V35 ThinQ	ARCore uses the wide angle fixed focus rear facing camera for AR tracking Supports Depth API
LG	LG Signature Edition 2018	ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	V40 ThinQ	ARCore uses the wide angle fixed focus rear facing camera for AR tracking
LG	V50 ThinQ	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
LG	V50S ThinQ	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
LG	LG Signature Edition 2019	Supports multiple GPU texture resolutions - 1080p, 720p, 480p



Manufacturer	Device model	Comments
LG	V60 ThinQ	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
LG	V60 ThinQ 5G	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
LG	VELVET 5G	Supports Depth API
LG	VELVET 2 Pro	Supports Depth API
LG	WING 5G	Supports Depth API
Motorola	moto g <sup>5s</sup> plus	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>6</sup>	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>6</sup> plus	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>7</sup>	
Motorola	moto g <sup>7</sup> play	
Motorola	moto g <sup>7</sup> plus	
Motorola	moto g <sup>7</sup> power	
Motorola	moto g <sup>7</sup> play	
Motorola	moto g <sup>8</sup>	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>8</sup> play	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>8</sup> plus	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>8</sup> power	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>8</sup> power lite	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g <sup>9</sup> play	
Motorola	moto g <sup>9</sup> plus	Supports Depth API
Motorola	moto g <sup>9</sup> power	Supports Depth API
Motorola	moto g 5G	Supports Depth API
Motorola	moto g 5G (2022)	Supports Depth API
Motorola	moto g power 2021	Supports Depth API
Motorola	moto g power	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g pro	Supports multiple GPU texture resolutions - 1080p, 720p, 480p

Manufacturer	Device model	Comments
Motorola	moto g stylus	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	moto g stylus (2021)	Supports Depth API
Motorola	moto g stylus (2022)	
Motorola	moto g stylus 5G (2022)	Supports Depth API
Motorola	moto g stylus 5G	Supports Depth API
Motorola	moto g(30)	
Motorola	moto g(40) fusion	
Motorola	moto g(10)	
Motorola	moto g(50)	
Motorola	moto g(50) 5G	Supports Depth API
Motorola	moto g(60)	
Motorola	moto g(60)s	
Motorola	moto g(100)	Supports Depth API
Motorola	moto g31	
Motorola	moto g51 5G	Supports Depth API
Motorola	moto g52	Supports Depth API
Motorola	moto g71 5G	Supports Depth API
Motorola	moto g82 5G	Supports Depth API
Motorola	moto g200 5G	Supports Depth API
Motorola	motorola edge (2021)	Supports Depth API
Motorola	motorola edge	Supports Depth API
Motorola	motorola edge s	Supports Depth API
Motorola	motorola edge plus	Supports Depth API
Motorola	motorola edge plus (2022)	Supports Depth API
Motorola	motorola edge 20 pro	Supports Depth API
Motorola	motorola edge 20	Supports Depth API
Motorola	motorola edge 20 lite	Supports Depth API

Manufacturer	Device model	Comments
Motorola	motorola edge 30	Supports Depth API
Motorola	motorola one	
Motorola	motorola one 5G	Supports Depth API
Motorola	motorola one action	
Motorola	motorola one fusion	Supports Depth API
Motorola	motorola one fusion+	Supports Depth API
Motorola	motorola one hyper	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Motorola	motorola one macro	
Motorola	motorola one power	
Motorola	motorola one vision	
Motorola	motorola one zoom	
Motorola	motorola Razr(2020)	Supports Depth API
Motorola	moto x <sup>4</sup>	Requires Android 8.0 or later
Motorola	moto z <sup>2</sup> force	Requires Android 8.0 or later
Motorola	moto z <sup>3</sup>	
Motorola	moto z <sup>3</sup> play	
Motorola	moto z <sup>4</sup>	
OnePlus	OnePlus 3T	Requires Android 8.0 or later
OnePlus	OnePlus 5	
OnePlus	OnePlus 5T	
OnePlus	OnePlus 6	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
OnePlus	OnePlus 6T	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
OnePlus	OnePlus 7	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
OnePlus	OnePlus 7 Pro	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
OnePlus	OnePlus 7 Pro 5G	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API

Manufacturer	Device model	Comments
OnePlus	OnePlus 7T	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
OnePlus	OnePlus 7T Pro	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
OnePlus	OnePlus 8	Supports Depth API
OnePlus	OnePlus 8 Pro	Supports Depth API Does not support Geospatial API
OnePlus	OnePlus 8T	Supports Depth API
OnePlus	OnePlus 9	Supports Depth API
OnePlus	OnePlus 9 Pro	Supports Depth API
OnePlus	OnePlus 9R	Supports Depth API
OnePlus	OnePlus 9RT 5G	Supports Depth API
OnePlus	OnePlus 10 Pro	Supports Depth API
OnePlus	OnePlus 10 Pro 5G	Supports Depth API
OnePlus	OnePlus 10R 5G	Supports Depth API
OnePlus	OnePlus Nord	Supports Depth API
OnePlus	OnePlus N10	Supports Depth API
OnePlus	OnePlus Nord CE	Supports Depth API
OnePlus	OnePlus Nord CE 2	
OnePlus	OnePlus Nord CE 2 Lite 5G	Supports Depth API
OnePlus	OnePlus Nord2 5G	Supports Depth API
OnePlus	OnePlus Nord N200 5G	Supports Depth API
Oppo	A52	
Oppo	A72	
Oppo	A72 5G	
Oppo	A92	
Oppo	A92s	
Oppo	A93 5G	
Oppo	A94	Supports Depth API

Manufacturer	Device model	Comments
Oppo	F11 Pro	
Oppo	F15	
Oppo	F17 Pro	
Oppo	F19 Pro+	Supports Depth API
Oppo	F21 Pro 5G	Supports Depth API
Oppo	Find X2	Supports Depth API
Oppo	Find X2 Pro	Supports Depth API
Oppo	Find X3 Pro	Supports Depth API
Oppo	Find X5	Supports Depth API
Oppo	K3	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Oppo	K5	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Oppo	R17 Pro	
Oppo	Reno	
Oppo	Reno2	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Oppo	Reno2 F	
Oppo	Reno2 Z	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Oppo	Reno3	
Oppo	Reno3 5G	Supports Depth API
Oppo	Reno3 A	
Oppo	Reno3 Pro	
Oppo	Reno3 Pro 5G	
Oppo	Reno4 4G	
Oppo	Reno4 SE 5G	Supports Depth API
Oppo	Reno5	Supports Depth API
Oppo	Reno5 A	Supports Depth API
Oppo	Reno5 5G	
Oppo	Reno5 Pro 4G	

<b>Manufacturer</b>	<b>Device model</b>	<b>Comments</b>
Oppo	Reno5 Pro 5G	Supports Depth API
Oppo	Reno5 Pro+ 5G	Supports Depth API
Oppo	Reno6 Pro+ 5G	
Oppo	Reno7 A	Supports Depth API
Oppo	Reno7 5G	Supports Depth API
Oppo	Reno7 Pro 5G	Supports Depth API
Oppo	Reno 10x Zoom	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Oppo	Reno A	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Oppo	Reno Z	
Rakuten	Hand5G	Supports Depth API
realme	5	
realme	5 Pro	
realme	6	
realme	6 Pro	
realme	7	
realme	7i	
realme	7 Pro	
realme	8 Pro	
realme	Narzo 20 Pro	
realme	Q	
realme	X	
realme	X Lite	
realme	XT	
realme	X2	
realme	X2 Pro	
realme	X3 Super Zoom	
realme	X7 5G	
realme	X7 Pro 5G	

Manufacturer	Device model	Comments
realme	X50 Pro	
realme	X50t 5G	
realme	realme V5 5G	
realme	realme v15 5G	
realme	realme GT 5G	
realme	realme GT Neo	Supports Depth API
realme	realme GT Explorer Master Edition	Supports Depth API
realme	realme 8 5G	
realme	realme 9 5G	Supports Depth API
realme	realme 9 Pro 5G	Supports Depth API
realme	realme 9 Pro+	Supports Depth API
Samsung	Galaxy A3 (2017)	Requires Android 8.0 or later ARCore always runs with auto focus mode enabled on the rear facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Samsung	Galaxy A5 (2017)	Supports multiple GPU texture resolutions - 1440x1080, 960x720, 480p
Samsung	Galaxy A6 (2018)	
Samsung	Galaxy A7 (2017)	Some models only support OpenGL ES 3.0 and earlier
Samsung	Galaxy A7 (2018)	Some models only support OpenGL ES 3.0 and earlier Requires Android 9.0 or later
Samsung	Galaxy A8	
Samsung	Galaxy A8+ (2018)	
Samsung	Galaxy A20	
Samsung	Galaxy A20s	
Samsung	Galaxy A20e	
Samsung	Galaxy A22 5G	
Samsung	Galaxy A23	
Samsung	Galaxy A30	
Samsung	Galaxy A30s	
Samsung	Galaxy A31	

<b>Manufacturer</b>	<b>Device model</b>	<b>Comments</b>
Samsung	Galaxy A32	
Samsung	Galaxy A32 5G	
Samsung	Galaxy A33 5G	
Samsung	Galaxy A40	
Samsung	Galaxy A41	
Samsung	Galaxy A42 5G	Supports Depth API
Samsung	Galaxy A50	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Samsung	Galaxy A50s	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Samsung	Galaxy A51	
Samsung	Galaxy A51 5G	Supports Depth API
Samsung	Galaxy A52	Supports Depth API
Samsung	Galaxy A52 5G	Supports Depth API
Samsung	Galaxy A53 5G	Supports Depth API
Samsung	Galaxy A60	
Samsung	Galaxy A70	
Samsung	Galaxy A70s	Requires Android 10 or later
Samsung	Galaxy A71	
Samsung	Galaxy A72	Supports Depth API
Samsung	Galaxy A71 5G	Supports Depth API
Samsung	Galaxy A80	Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
Samsung	Galaxy A90 5G	Supports Depth API
Samsung	Galaxy F22	
Samsung	Galaxy F23 5G	
Samsung	Galaxy F41	
Samsung	Galaxy F62	
Samsung	Galaxy Fold	Supports Depth API
Samsung	Galaxy Z Fold2 5G	Supports Depth API



Manufacturer	Device model	Comments
Samsung	Galaxy J5 (2017)	SM-J530 models Some models only support OpenGL ES 3.0 and earlier Supports multiple GPU texture resolutions - 960x720, 480p
Samsung	Galaxy J5 Pro	SM-J530 models Some models only support OpenGL ES 3.0 and earlier Supports multiple GPU texture resolutions - 960x720, 480p
Samsung	Galaxy J7 (2017)	SM-J730 models Some models only support OpenGL ES 3.0 and earlier Certain models only support OpenGL ES 3.1 and earlier
Samsung	Galaxy J7 Pro	SM-J730 models Some models only support OpenGL ES 3.0 and earlier Certain models only support OpenGL ES 3.1 and earlier
Samsung	Galaxy M20	Requires Android 10 or later
Samsung	Galaxy M21	
Samsung	Galaxy M23 5G	
Samsung	Galaxy M30s	
Samsung	Galaxy M31	
Samsung	Galaxy M31s	
Samsung	Galaxy M32	
Samsung	Galaxy M33 5G	
Samsung	Galaxy M51	
Samsung	Galaxy M62	
Samsung	Galaxy Note8	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy Note9	Supports Depth API
Samsung	Galaxy Note10	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy Note10 5G	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy Note10+	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
Samsung	Galaxy Note10+ 5G	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Supports time-of-flight (ToF) hardware depth sensor

Manufacturer	Device model	Comments
Samsung	Galaxy Note10 Lite	Supports Depth API
Samsung	Galaxy Note20 5G	Supports Depth API
Samsung	Galaxy Note20 Ultra 5G	Supports Depth API
Samsung	Galaxy Quantum2	Supports Depth API
Samsung	Galaxy S7	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Samsung	Galaxy S7 edge	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Samsung	Galaxy S8	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S8+	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S9 Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S9 Qualcomm	Supports multiple GPU texture resolutions - 2048x1536, 1280x960, 480p Supports Depth API
Samsung	Galaxy S9+ Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S9+ Qualcomm	Supports multiple GPU texture resolutions - 2048x1536, 1280x960, 480p Supports Depth API
Samsung	Galaxy S10e Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S10e Qualcomm	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Samsung	Galaxy S10 Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S10 Qualcomm	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Samsung	Galaxy S10+ Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S10+ Qualcomm	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API

Manufacturer	Device model	Comments
Samsung	Galaxy S10 5G	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
Samsung	Galaxy S10 Lite	Supports Depth API
Samsung	Galaxy S20	Supports Depth API
Samsung	Galaxy S20 5G	Supports Depth API
Samsung	Galaxy S20+	Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
Samsung	Galaxy S20+ 5G	Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
Samsung	Galaxy S20 Fan Edition	Supports Depth API
Samsung	Galaxy S20 Fan Edition 5G	
Samsung	Galaxy S20 Ultra 5G	Supports Depth API Supports time-of-flight (ToF) hardware depth sensor
Samsung	Galaxy S21 5G	Supports Depth API
Samsung	Galaxy S21+ 5G	Supports Depth API
Samsung	Galaxy S21 Ultra 5G	Supports Depth API
Samsung	Galaxy S22 5G	Supports Depth API
Samsung	Galaxy S22+ 5G	Supports Depth API
Samsung	Galaxy S22 Ultra 5G	Supports Depth API
Samsung	Galaxy Tab A7	
Samsung	Galaxy Tab A8	
Samsung	Galaxy Tab Active 3	
Samsung	Galaxy Tab Active Pro	
Samsung	Galaxy Tab S3	ARCore always runs with auto focus mode enabled on the rear facing camera
Samsung	Galaxy Tab S4	Supports multiple GPU texture resolutions - 1440x1080, 960x720, 480p
Samsung	Galaxy Tab S5e	
Samsung	Galaxy Tab S6	
Samsung	Galaxy Tab S6 Lite	

<b>Manufacturer</b>	<b>Device model</b>	<b>Comments</b>
Samsung	Galaxy Tab S7	Supports Depth API
Samsung	Galaxy Tab S7+	Supports Depth API
Samsung	Galaxy Tab S7+ Lite	Supports Depth API
Samsung	Galaxy Tab S8	Supports Depth API
Samsung	Galaxy Tab S8+	Supports Depth API
Samsung	Galaxy Tab S8 Ultra	Supports Depth API
Samsung	Galaxy XCover Pro	
Samsung	Galaxy Z Flip	Supports Depth API
Samsung	Galaxy Z Flip 5G	Supports Depth API
Sharp	AQUOS R3	Supports Depth API
Sharp	AQUOS R5G	Supports Depth API
Sharp	AQUOS R6	Supports Depth API
Sharp	AQUOS R7	Supports Depth API
Sharp	AQUOS sense3	
Sharp	AQUOS sense3 basic	
Sharp	AQUOS sense3 plus	
Sharp	AQUOS sense4	Supports Depth API
Sharp	AQUOS sense4 basic	Supports Depth API
Sharp	AQUOS sense4 lite	Supports Depth API
Sharp	AQUOS sense4 plus	
Sharp	AQUOS sense5G	Supports Depth API
Sharp	AQUOS sense6	Supports Depth API
Sharp	AQUOS zero2	
Sharp	AQUOS zero6	Supports Depth API
Sharp	AQUOS zero5G basic	Supports Depth API
Sharp	AQUOS zero5G basic DX	Supports Depth API
Sharp	Leitz Phone1	Supports Depth API
Sharp	S7	

<b>Manufacturer</b>	<b>Device model</b>	<b>Comments</b>
Sony	Xperia Ace III	Supports Depth API
Sony	Xperia XZ Premium	Requires Android 8.0 or later Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Sony	Xperia XZ1	Requires Android 8.0 or later
Sony	Xperia XZ1 Compact	Requires Android 8.0 or later
Sony	Xperia XZ2	Requires Android 8.0 or later with software update after Aug 2018 (security patch level 2018-08-05 or later) Supports Depth API
Sony	Xperia XZ2 Compact	Requires Android 8.0 or later with software update after Aug 2018 (security patch level 2018-08-05 or later) Supports Depth API
Sony	Xperia XZ2 Premium	Requires Android 8.0 or later with software update after Aug 2018 (security patch level 2018-08-05 or later) Supports Depth API
Sony	Xperia XZ3	Supports Depth API
Sony	Xperia 1	
Sony	Xperia 1 Professional Edition	
Sony	Xperia 1 II	Supports Depth API
Sony	Xperia 1 III	Supports Depth API
Sony	Xperia 1 IV	Supports Depth API
Sony	Xperia 5	Supports Depth API
Sony	Xperia 5 II	Supports Depth API
Sony	Xperia 5 III	Supports Depth API
Sony	Xperia PRO	Supports Depth API
Sony	Xperia PRO-I	Supports Depth API
Sony	Xperia 10 III	Supports Depth API
Sony	Xperia 10 IV	Supports Depth API
TCL	10 5G UW	Supports Depth API
Tecno	Camon 18P	Supports Depth API
Tecno	Camon 12 Pro	
Tecno	Camon 16 Premier	

Manufacturer	Device model	Comments
Tecno	Camon 16 Pro	
Tecno	Camon 17 Pro	
Tecno	Camon 18 Premier	Supports Depth API
Tecno	Camon 19 Pro	Supports Depth API
Tecno	Camon 19 Pro 5G	Supports Depth API
Tecno	Phantom 9	
Tecno	Phantom X	Supports Depth API
Tecno	Pova 2	
Tecno	Pova 5G	
Umx(Ultimate Mobile Experience)	U3AR	Device without Front Camera, doesn't support ARCore Front Camera
Vinsmart	Live 4	Supports Depth API
Vinsmart	Aris Pro	
Vivo	Nex 3	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Vivo	Nex 3 5G	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Vivo	NEX S	
Vivo	NEX Dual Display Edition	
Vivo	iQOO 3 4G	
Vivo	iQOO 3 5G	
Vivo	V17	
Vivo	V20	
Vivo	V20 Pro	
Vivo	X23	
Vivo	X50	
Vivo	X50 Pro	
Vivo	X50e 5G	
Vivo	X60 Pro	Supports Depth API

<b>Manufacturer</b>	<b>Device model</b>	<b>Comments</b>
Vivo	X80	Supports Depth API
Vivo	X80 Pro	Supports Depth API
Vivo	I2011	Supports Depth API
Vivo	V2041	Supports Depth API
Vivo	V2045	Supports Depth API
Vivo	V2046	Supports Depth API
Vivo	V2050	Supports Depth API
Vivo	V2105	Supports Depth API
Vivo	V2124	Supports Depth API
Vivo	V2126	Supports Depth API
Vivo	V2130	Supports Depth API
Wiko	View 3 Pro	
Xiaomi	Xiaomi 11T	Supports Depth API
Xiaomi	Xiaomi 12	Supports Depth API
Xiaomi	Xiaomi 12X	Supports Depth API
Xiaomi	Xiaomi 12 Pro	Supports Depth API
Xiaomi	Mi 8	
Xiaomi	Mi 8 SE	
Xiaomi	Mi 9	
Xiaomi	Mi 9 Lite	
Xiaomi	Mi 9 SE	
Xiaomi	Mi 10	
Xiaomi	Mi 10i	Supports Depth API
Xiaomi	Mi 10 Lite	Supports Depth API
Xiaomi	Mi 10 Lite 5G	Supports Depth API
Xiaomi	Mi 10 Lite Zoom	
Xiaomi	Mi 10 Pro	Supports Depth API
Xiaomi	Mi 10T Pro	

Manufacturer	Device model	Comments
Xiaomi	Mi 11	
Xiaomi	Mi 11 Pro	Supports Depth API
Xiaomi	Mi 11 Ultra	Supports 60 fps camera capture frame rate on the rear-facing camera Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Xiaomi	Mi A3	
Xiaomi	Mi Mix 2S	Supports multiple GPU texture resolutions - 1920x1440, 1280x960, 480p
Xiaomi	Mi Mix 3	
Xiaomi	Mi Note 10	
Xiaomi	Mi Note 10 Lite	
Xiaomi	Mi Note 11 Lite	
Xiaomi	Mi Note 11 Lite 5G	Supports Depth API
Xiaomi	Pad 5	Supports Depth API
Xiaomi	Pocophone F1	Supports Depth API
Xiaomi	POCO X2	
Xiaomi	POCO X3	
Xiaomi	POCO X3 Pro	Supports Depth API
Xiaomi	POCO X3 NFC	
Xiaomi	POCO M2 Pro	
Xiaomi	Redmi K20	
Xiaomi	Redmi K20 Pro	
Xiaomi	Redmi K30	4G version only
Xiaomi	Redmi K30 Pro	
Xiaomi	Redmi K40	Supports Depth API
Xiaomi	Redmi K40S	Supports Depth API
Xiaomi	Redmi K40 Pro/Pro+	
Xiaomi	Redmi K40 Gaming	
Xiaomi	Redmi K50 5G	Supports Depth API
Xiaomi	Redmi 10X 4G	



<b>Manufacturer</b>	<b>Device model</b>	<b>Comments</b>
Xiaomi	Redmi Note 7	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Xiaomi	Redmi Note 7 Pro	
Xiaomi	Redmi Note 8	
Xiaomi	Redmi Note 8 Pro	
Xiaomi	Redmi Note 8T	
Xiaomi	Redmi Note 9	
Xiaomi	Redmi Note 9 Pro	
Xiaomi	Redmi Note 9 Pro Max	
Xiaomi	Redmi Note 9S	
Xiaomi	Redmi Note 9 (5G)	Supports Depth API
Xiaomi	Redmi Note 10	Supports Depth API
Xiaomi	Redmi Note 10S	
Xiaomi	Redmi Note 10 5G	Supports Depth API
Xiaomi	Redmi Note 10 Pro	
Xiaomi	Redmi Note 10 Pro Max	Supports Depth API
Xiaomi	Redmi Note 11	Supports Depth API
Xiaomi	Redmi Note 11 Pro 5G	Supports Depth API
Xiaomi	Redmi Note 11 Pro+ 5G	Supports Depth API
Zebra	ET51s 8" Enterprise Tablet	Supports Depth API
Zebra	ET51L 10" Enterprise Tablet	Supports Depth API
Zebra	ET56L 10" Enterprise Tablet	Supports Depth API
Zebra	ET56s 8" Enterprise Tablet	Supports Depth API
Zebra	ET56 10" Enterprise Tablet	Supports Depth API
Zebra	TC21 WLAN Touch Computer	

Manufacturer	Device model	Comments
Zebra	TC26 WWAN Touch Computer	
Zebra	EC50 WLAN Enterprise Computer	Supports Depth API
Zebra	EC55 WWAN Enterprise Computer	Supports Depth API
Zebra	TC52 WLAN Touch Computer	
Zebra	TC52x WLAN Touch Computer	Supports Depth API
Zebra	TC52ax WLAN Touch Computer	Supports Depth API
Zebra	TC53 WLAN Touch Computer	Supports Depth API
Zebra	TC57 WWAN Touch Computer	
Zebra	TC57x WWAN Touch Computer	Supports Depth API
Zebra	TC58 WWAN Touch Computer	Supports Depth API
Zebra	TC72 WLAN Touch Computer	
Zebra	TC77 WWAN Touch Computer	
Zebra	MC20	Supports Depth API
ZTE	Libero 5G	
ZTE	Libero 5G II	

## Android (China)

In China, devices do not ship with the Google Play Store. The Android devices listed here support ARCore via Google Play Services for AR, which is available as a separate downloadable service from these app stores:

- Xiaomi app store (小米应用商店)
- Huawei Apps Gallery (华为应用商店)

- OPPO APP Market (OPPO 软件商店)
- Samsung Galaxy Apps (三星应用市场)
- V-Appstore (vivo应用商店)

ARCore supports these devices sold in the China region:

Manufacturer	Device model	Comments
Huawei	Honor 10	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	Honor Magic 2	
Huawei	Honor V20	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Huawei	Maimang 7	
Huawei	Mate 20	Supports Depth API
Huawei	Mate 20 Pro	
Huawei	Mate 20 X	Supports Depth API
Huawei	Nova 3	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	Nova 3i	
Huawei	Nova 4	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	P20	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	P20 Pro	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Huawei	P30	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Huawei	P30 Pro	Supports multiple GPU texture resolutions - 2048x1536, 1280x960, 480p Supports Depth API
Huawei	Porsche Design Mate RS	
Huawei	Porsche Design Mate 20 RS	
OnePlus	OnePlus Ace	Supports Depth API
Oppo	A53 5G	
Oppo	A93 5G	
Oppo	Find X3	Supports Depth API
Oppo	Find X3 Pro	Supports Depth API

Manufacturer	Device model	Comments
Oppo	F19 Pro+	Supports Depth API
Oppo	K5	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Oppo	K7x	Supports Depth API
Oppo	K9 5G	
Oppo	K9x 5G	
Oppo	PFFM20	Supports Depth API
Oppo	Reno	
Oppo	Reno 10x Zoom	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Oppo	Reno Ace	Supports Depth API
Oppo	Reno Ace 2	
Oppo	Reno Z	
Oppo	Reno2	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p
Oppo	Reno2 Z	Supports multiple GPU texture resolutions - 1080p, 720p, 480p
Oppo	Reno4 SE 5G	Supports Depth API
Oppo	Reno5 5G	
Oppo	Reno5 K 5G	
Oppo	Reno5 Pro 4G	
Oppo	Reno5 Pro 5G	Supports Depth API
Oppo	Reno5 Pro+ 5G	Supports Depth API
Oppo	Reno6 Pro+ 5G	
Oppo	Reno7 Pro 5G	Supports Depth API
Oppo	Reno7 SE 5G	Supports Depth API
realme	Q	
realme	Q2 Pro 5G	
realme	Q3 5G	
realme	Q3 Pro Play	
realme	X	
realme	X Lite	

Manufacturer	Device model	Comments
realme	X2	
realme	X2 Pro	
realme	X3	
realme	X50 Pro Player	
realme	X7 5G	
realme	X7 Pro 5G	
realme	V5 5G	
realme	真我V13 5G	
realme	真我GT	
realme	realme GT Neo	Supports Depth API
Samsung	Galaxy Note9	
Samsung	Galaxy S9 Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S9 Qualcomm	Supports multiple GPU texture resolutions - 2048x1536, 1280x960, 480p Supports Depth API
Samsung	Galaxy S9+ Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S9+ Qualcomm	Supports multiple GPU texture resolutions - 2048x1536, 1280x960, 480p Supports Depth API
Samsung	Galaxy S10e Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S10e Qualcomm	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Samsung	Galaxy S10 Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S10 Qualcomm	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Samsung	Galaxy S10+ Exynos	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API
Samsung	Galaxy S10+ Qualcomm	Supports multiple GPU texture resolutions - 1440x1080, 1280x960, 480p Supports Depth API
Samsung	Galaxy S10 5G	Supports multiple GPU texture resolutions - 1080p, 720p, 480p Supports Depth API Supports time-of-flight (ToF) hardware depth sensor

Manufacturer	Device model	Comments
Vivo	V2133A	Supports Depth API
Vivo	iQOO	
Vivo	iQOO 5 5G	
Vivo	iQOO 5 Pro 5G	
Vivo	iQOO Neo3 5G	
Vivo	iQOO U1	
Vivo	iQOO Z1x	
Vivo	NEX S	
Vivo	NEX 3 4G/5G	
Vivo	S7 5G	
Vivo	X23	
Vivo	X50 5G	
Vivo	X50 Pro	
Vivo	X50 Pro+	
Vivo	X80	Supports Depth API
Vivo	V2046A	
Vivo	V2047A	
Vivo	V2056A	
Vivo	Y51s	
Vivo	Y70s	
Xiaomi	Mi Mix 2S	Supports multiple GPU texture resolutions - 1920x1440, 1280x960, 480p
Xiaomi	Mi Mix 3	
Xiaomi	Mi 8 SE	
Xiaomi	Mi 8 SE	
Xiaomi	Mi 9	
Xiaomi	Mi 10 Ultra	

iOS

[Cloud Anchors](/ar/develop/ios/cloud-anchors/overview) (/ar/develop/ios/cloud-anchors/overview) is supported on all **ARKit-compatible devices running iOS 11.0 or later**.

- The Cloud Anchors SDK can be compiled for apps targeting iOS 10.0 or later.
- Cloud Anchors is not supported on iOS devices that are older than the devices in the following list.

[Augmented Faces](/ar/develop/ios/augmented-faces/overview) (/ar/develop/ios/augmented-faces/overview) is supported on all **ARKit-compatible devices running iOS 11.0 or later**.

- The Augmented Faces SDK can be compiled for apps targeting iOS 10.0 or later.
- Augmented Faces may work on iOS devices that are older than the devices in the following list, but may not operate at the required frame rates for live AR use cases.

The following iOS devices have been verified to work with both Cloud Anchors and Augmented Faces.

Product	Device model	Comments
iPhone	iPhone 13	
iPhone	iPhone 13 mini	
iPhone	iPhone 13 Pro	
iPhone	iPhone 13 Pro Max	
iPhone	iPhone 12	
iPhone	iPhone 12 mini	
iPhone	iPhone 12 Pro	
iPhone	iPhone 12 Pro Max	
iPhone	iPhone 11	
iPhone	iPhone 11 Pro	
iPhone	iPhone 11 Pro Max	
iPhone	iPhone XR	
iPhone	iPhone XS and XS Max	
iPhone	iPhone X	
iPhone	iPhone 8 and 8 Plus	
iPhone	iPhone 7 and 7 Plus	
iPhone	iPhone 6S and 6S Plus	Does not support Geospatial API
iPhone	iPhone SE	

Product	Device model	Comments
iPhone	iPhone SE (2nd Generation)	
iPhone	iPhone SE (3rd Generation)	
iPad	iPad Air (3rd Generation)	
iPad	iPad Air (4th Generation)	
iPad	iPad Air (5th Generation)	
iPad	iPad mini (5th Generation)	
iPad	iPad mini (6th Generation)	
iPad	12.9-in. iPad Pro (1st Generation)	
iPad	12.9-in. iPad Pro (2nd Generation)	
iPad	12.9-in. iPad Pro (3rd Generation)	
iPad	12.9-in. iPad Pro (4th Generation)	
iPad	12.9-in. iPad Pro (5th Generation)	
iPad	11-in. iPad Pro (1st Generation)	
iPad	11-in. iPad Pro (2nd Generation)	
iPad	11-in. iPad Pro (3rd Generation)	
iPad	10.5-in. iPad Pro	
iPad	9.7-in. iPad Pro	
iPad	iPad (5th Generation)	
iPad	iPad (6th Generation)	
iPad	iPad (7th Generation)	
iPad	iPad (8th Generation)	
iPad	iPad (9th Generation)	
iPod	iPod touch (7th Generation)	

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