

# Supported Devices

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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.

The strength of Android is in the large diversity of devices available across the world. 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](https://developers.google.com/ar/discover/concepts) (<https://developers.google.com/ar/discover/concepts>) for more details.

## Supported device models

A list of specific device models that are currently supported can found in the following sections below:

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

### Android (Google Play)

ARCore requires:

- Android 7.0 or later (some models require newer versions as noted below)

- Device that originally shipped with the Google Play Store
- Play Store requires internet access in order to update [ARCore](https://play.google.com/store/apps/details?id=com.google.ar.core)  
([//play.google.com/store/apps/details?id=com.google.ar.core](https://play.google.com/store/apps/details?id=com.google.ar.core))

ManufacturerModel		Notes
Acer	Chromebook Tab 10	Requires ChromeOS stable builds 69 or later.
Asus	ROG Phone	
	Zenfone AR	
	Zenfone ARES	
General Mobile GM 9 Plus		
Google	Nexus 5X	Requires Android 8.0 or later.
	Nexus 6P	Requires Android 8.0 or later.
	Pixel, Pixel XL	
	Pixel 2, Pixel 2 XL	
	Pixel 3, Pixel 3 XL	
	Pixel 3a, Pixel 3a XL	
HMD Global	Nokia 6 (2018)	Also known as Nokia 6.1
	Nokia 6.1 Plus	
	Nokia 7 Plus	
	Nokia 7.1	
	Nokia 8	Requires Android 8.0 or later.
	Nokia 8 Sirocco	
	Nokia 8.1	
Huawei	Honor 8X, Honor 10	
	Honor View 10 Lite	
	Honor V20	
	Mate 20 Lite, Mate 20, Mate 20 Pro, Mate 20 X	

Nova 3, Nova 3i

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Nova 4

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P20, P20 Pro

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P30, P30 Pro

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Porsche Design Mate RS,  
Porsche Design Mate 20 RS

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LG

G6

Requires Android 8.0 or later.

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G7 Fit, G7 One, G7 ThinQ

ARCore uses the wide angle fixed focus rear camera for AR tracking.

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G8 ThinQ

ARCore uses the wide angle fixed focus rear camera for AR tracking.

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Q6

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Q8

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V30, V30+, V30+ JOJO,  
LG Signature Edition 2017

Requires Android 8.0 or later  
ARCore uses the wide angle fixed focus rear camera for AR tracking.

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V35 ThinQ,  
LG Signature Edition 2018

ARCore uses the wide angle fixed focus rear camera for AR tracking.

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V40 ThinQ

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V50 ThinQ

ARCore uses the wide angle fixed focus rear camera for AR tracking.

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Motorola

Moto G5S Plus

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Moto G6, Moto G6 Plus

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Moto G7, Moto G7 Plus, Moto  
G7 Power, Moto G7 Play

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Moto One, Moto One Power

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Moto X4

Requires Android 8.0 or later.

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Moto Z2 Force

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Moto Z3, Moto Z3 Play

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OnePlus

OnePlus 3T

Requires Android 8.0 or later.

	OnePlus 5, OnePlus 5T	
	OnePlus 6, OnePlus 6T	
	OnePlus 7, OnePlus 7 Pro, OnePlus 7 Pro 5G	
Oppo	R17 Pro	
Samsung	Galaxy A3 (2017)	Requires Android 8.0 or later.
	Galaxy A5 (2017)	
	Galaxy A6 (2018)	
	Galaxy A7 (2017)	
	Galaxy A8, Galaxy A8+ (2018)	
	Galaxy A30	
	Galaxy A50	
	Galaxy J5 (2017), Galaxy J5 Pro	SM-J530 models
	Galaxy J7 (2017), Galaxy J7 Pro	SM-J730 models
	Galaxy Note8	
	Galaxy Note9	
	Galaxy S7, Galaxy S7 edge	
	Galaxy S8, Galaxy S8+	
	Galaxy S9, Galaxy S9+	
	Galaxy S10e, Galaxy S10, Galaxy S10+, Galaxy S10 5G	
	Galaxy Tab S3	
	Galaxy Tab S4	
Sharp	AQUOS R3	
Sony	Xperia XZ Premium	Requires Android 8.0 or later.
	Xperia XZ1, Xperia XZ1 Compact	Requires Android 8.0 or later.

	Xperia XZ2, Xperia XZ2 Compact, Xperia XZ2 Premium	Requires Android 8.0 or later with software update after Aug 2018 (security patch level 2018-08-05 or later).
	Xperia XZ3	
	Xperia 1	
Vivo	NEX S	
	NEX Dual Display Edition	
Xiaomi	Mi 8, Mi 8 SE	
	Mi 9	
	Mi Mix 2S	
	Mi Mix 3	
	Pocophone F1	
Zebra	TC52 WLAN Touch Computer	
	TC57 WWAN Touch Computer	
	TC72 WLAN Touch Computer	
	TC77 WWAN Touch Computer	

## Android (China)

In China, devices do not ship with the Google Play Store. ARCore is available from the following app stores:

- Xiaomi app store (小米应用商店)
- Huawei Apps Gallery (华为应用商店)
- Samsung Galaxy Apps (三星应用市场)

ARCore supports the following devices sold in the China region:

Manufacturer	Model
Huawei	Honor 10
	Honor Magic 2

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 Honor V20
 

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 Maimang 7
 

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 Mate 20, Mate 20 Pro, Mate 20 X
 

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 Nova 3, Nova 3i
 

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 Nova 4
 

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 P20, P20 Pro
 

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 P30, P30 Pro
 

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 Porsche Design Mate RS,  
 Porsche Design Mate 20 RS
 

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Samsung

 Galaxy Note9
 

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 Galaxy S9, Galaxy S9+
 

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 Galaxy S10e, Galaxy S10, Galaxy S10+, Galaxy S10 5G
 

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Xiaomi

 Mi Mix 2S
 

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 Mi Mix 3
 

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 Mi 8, Mi 8 SE
 

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 Mi 9
 

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## iOS

ARCore requires an ARKit compatible device running iOS 11.0 or later.

The following iOS devices are supported:

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**Product**
**Model**


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iPhone

 iPhone XR
 

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 iPhone XS and XS Max
 

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 iPhone X
 

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 iPhone 8 and 8 Plus
 

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 iPhone 7 and 7 Plus
 

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 iPhone 6S and 6S Plus
 

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	iPhone SE
iPad	iPad Air 3rd Generation
	iPad mini 5th Generation
	12.9-in. iPad Pro (1st, 2nd, and 3rd Generation)
	11-in. iPad Pro
	10.5-in. iPad Pro
	9.7-in. iPad Pro
	iPad (6th Generation)
	iPad (5th Generation)

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