

# Selecting the right ChromeOS device for your cloud workers

To select the right device for your cloud workers, it's important to consider what type of work they do and the device specifications they need to be productive at work.



This document walks you through four steps to help you choose the right ChromeOS device for each employee:

1

Identify the primary use case, or how the device will be used.

2

Map out the device specifications required for these use cases.

3

Make recommendations for devices that meet these needs.

4

Compare across the device ecosystem and find the right device.



# 1

## Primary use cases for the device

To select the right ChromeOS device for an employee—and meet the needs of your business—it’s important to understand what the employee needs to do on their device. **Generally, there are four primary use cases:**

-  For browsing & single tasks
-  For collaborating
-  For apps & virtualization
-  For power usage

For example, frontline workers may find that a simple device that supports web browsing is all they need. Information workers and executives may need collaboration tools, as well as more apps and virtualization. Analysts and designers may need devices built for power usage.

The chart below lists the key functionality typically required to support each use case.

Primary use case	Increasing workload intensity 			
	 For browsing & single tasks	 For collaborating	 For apps & virtualization	 For power usage
Web browser tab load <sup>(1)</sup>	Medium	High	High	High
Email	✓	✓	✓	✓
Google Workspace/ Web productivity apps	Note <sup>(2)</sup>	✓	✓	✓
Video conferencing	Note <sup>(2)</sup>	✓	✓	✓
Android apps	Note <sup>(2)</sup>	Note <sup>(2)</sup>	✓	✓
Always-on VDI/Persistent streaming	Note <sup>(2)</sup>	Note <sup>(2)</sup>	✓	✓
Display support	Notebook screen	External monitor	Dual external monitor via docking station	4K monitor

1. Web browser tab load is the number of concurrent web browser tabs open. Medium refers to 14–25 and High is 26+.

2. May be able to handle single tasks e.g., Google Workspace, Video Conferencing, VDI (e.g., Citrix), Android Apps each in isolation and provided that there are no other concurrent system intensive applications. However, if the user needs video conferencing and/or VDI and/or productivity apps concurrently then the “For apps & virtualization” configuration is recommended.

## 2

### The device specifications required for each use case

To optimize the experience for users, it's important to get the device specifications right. The chart below maps out recommended specifications for each use case.

Note: Based on Google device testing data. We intend to refresh this periodically to reflect changes in software and apps over time.

Device specifications	 For browsing & single tasks	 For collaborating	 For apps & virtualization	 For power usage
Minimum CPU*	Intel Celeron AMD MTK 8183	Intel Pentium, AMD Athlon, Qualcomm 7c  Fanless Intel i3	Fan Intel i3, i5, i7 AMD Ryzen 3, 5, 7  Fanless Intel i5, i7	Fan Intel i5, i7 AMD Ryzen 5, 7  Fanless Intel i5, i7
Minimum RAM	4GB	8GB	8GB+	Fan: 8GB Fanless: 16GB

\*This table applies to N (current) and N-1 (previous) generation processors. Some configurations may only be available in select markets. Please contact your OEM representative regarding availability of specific devices and configurations.

## 3

### Hardware guidance for each use case

Below is a mapping of the use cases to a broad set of worker profiles. The device form factors and features that would provide an ideal experience are listed for each worker profile.

Note: Devices that fall into advanced use cases (i.e., For power usage) can be utilized for use cases with lesser workloads.

	Field / Mobile / Front of House Workers	Kiosk / Signage	Information Worker	Contact Center	Clinician	Executive / Mobile Professional
<b>For browsing &amp; single tasks</b>						
<b>For collaborating</b>	Clamshell, Chromebox, Tablets (Detachable), Convertible  <b>Preferred features:</b> Ruggedized 12–15" Screen Size	Chromeboxes, Chromebase, Clamshells  <b>Preferred features:</b> Fanless, Dust & Heat Resistant, Ruggedized, 13"+ Screen Size				
<b>For apps &amp; virtualization</b>			Clamshell, Convertible, Chromebox, Chromebase	Clamshell, Convertible, Chromebox, Chromebase  <b>Preferred features:</b> Fingerprint Sensor, Privacy Screens, Backlit Keyboard, 13–15" Screen Size	Clamshell, Chromebox, Convertibles  <b>Preferred features:</b> IP56+ rating, anti-glare screen, Fingerprint Sensor, Privacy Screens, integrated NFC for badge reader functionality. High quality video and audio for telemedicine, multiple USB-A ports.	Convertible, thin & light, narrow bezels, <2.9lbs, <15mm Wi-Fi 6 or LTE  <b>Preferred features:</b> Stylus, Backlit Keyboard, Fingerprint Sensor, Privacy Screen, 400 nits, 2K+ resolution, 12–14" Screen Size
<b>For power usage</b>						

## 4

## Finding the right device for your customer

In the following pages you will find a list of devices organized by manufacturer. The tables on the previous pages should help you identify the device specifications your employees need. Find the right device that matches their required specs and suits their needs.

Some configurations may only be available in select markets. Please contact your OEM representative regarding the availability of specific devices and configurations. This guide is updated once each calendar half.

Devices that are ideal for advanced use cases can still be utilized for use cases requiring less advanced specifications. For example, devices marked 'For Virtualization' will be able to handle all the workloads in the tiers above (for collaborating, browsing, and single tasks). However, the devices marked as 'For Browsing & Single Tasks' will not be able to handle video conferencing and/or VDI streaming reliably when used concurrently.

Devices mapping to work profiles are simply a **recommendation** based on alignment of features and form factor to the work profile needs. **It is not a must-have or a requirement.** For example, a device may not be mapped to a frontline worker use case, but that should not preclude it from being used in that context if it meets the user needs.

### Tools and programs



**ChromeOS Enterprise devices (CBE):** All devices are eligible to be ChromeOS Enterprise devices (CBE) if the OEM chooses to sell this offering. ChromeOS Enterprise devices come with the business capabilities of ChromeOS unlocked.



**Parallels Desktop for ChromeOS:** System requirements for Parallels Desktop for ChromeOS are Intel® Core™ i5 and i7, AMD R5 and R7, 8GB and 16GB memory, and 128GB HDD/SSD. For further details visit the [Parallels Desktop for ChromeOS page](#).



**Zero-touch enrollment:** For the most updated list of devices enabled for zero-touch enrollment, read our [guide](#).



**ChromeOS Flex:** The secure, cloud-first operating system for PCs and Macs. To ensure a consistent and high-quality experience, Google individually certifies and maintains a list of models that you can use with ChromeOS Flex. Find certified models on the [Certified Model List](#).



**Works With Chromebook (WWCB):** WWCB is a peripherals certification program ensuring compatibility across all makes of ChromeOS devices. Read about [certified peripherals](#) across various categories including headsets, webcams, mouse, external storage, cables and adapters, wall chargers, and others.



		Field / Mobile / Front of House Workers	Kiosk / Signage	Contact Center	Information worker	Executive / Mobile Professional	Clinician
<b>For browsing &amp; single tasks</b>							
Clamshell	CB315 [Celeron, 8/4GB]	✓					
	CB512 [Celeron, 4/8GB]	✓	✓				
	CB514 [Pentium, 4GB]	✓	✓				
	CBV514 [Pentium, 4GB]	✓	✓				
	CB515 [Pentium, 4GB]	✓	✓				
	CB314/C934 [Celeron, 4GB]	✓	✓				
Chromebase	CA2412 [Celeron, 4/8GB] or [i7, 4GB]	✓	✓				
Chromebox	CX14 [Celeron, 4GB]	✓	✓				
	CX15 [Celeron 7305U 4GB]	✓	✓				
Tablet	Chromebook Tab 510 / Enterprise Tab 510 [Qualcomm, 4GB]	✓					
Convertible	Spin 513 [SC7180, 4GB]	✓					
	Spin 514 (CP514-1WH) [Ryzen 3, 4GB]	✓					
<b>For collaborating</b>							
Clamshell	CB514 [Pentium, 8GB]	✓	✓	✓	✓		
	CBV514 [Pentium, 8GB]	✓	✓	✓	✓		
	CB314/C934 [Pentium, 8GB]	✓	✓	✓	✓		
	CB515 [Pentium, 8GB]	✓	✓	✓	✓		
Convertible	Spin 513 [SC7180, 8GB]			✓	✓		
	Spin 514 (CP514-2H) [i3, 8GB]			✓	✓		
<b>For apps &amp; virtualization</b>							
Clamshell	CB514 [i3, 8GB]	✓	✓	✓			
	CBV514 [i3, 8GB]	✓	✓	✓			
	CB515 [i3, 8GB]	✓	✓	✓			
Chromebase	CA2412 [i3, 8GB]		✓	✓	✓		
Chromebox	CX14 [i3, 8GB]	✓	✓	✓			
	CX15 [i3, 8GB]	✓	✓	✓			
Convertible	Spin 713 [i3, 8GB]			✓	✓		
	Spin 513 (CP513-2H) [MT8195T, 8GB]			✓	✓		
	Spin 514 [i5, 8GB]			✓	✓		
	Spin 514 (CP514-1WH/CP514-3WH) [Ryzen 3, 8GB]			✓	✓		
	Spin 714 (CP714-1WN) [i3, 8GB]			✓	✓		

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		Field / Mobile / Front of House Workers	Kiosk / Signage	Contact Center	Information worker	Executive / Mobile Professional	Clinician
<b>For power usage</b>							
<b>Clamshell</b>	CB514 [i5/i7, 8GB]		✓	✓	✓		✓
	CBV514 [i5/i7, 8/16 GB]		✓	✓	✓		✓
	CB515 [i5/i7, 8/16GB]		✓	✓	✓		✓
<b>Chromebase</b>	CA24I2 [i5, 8GB]		✓	✓	✓		
<b>Chromebox</b>	CX14 [i5/i7, 8/16GB]		✓	✓			✓
	CX15 [i5/i7, 8/16GB]		✓	✓	✓		✓
<b>Convertible</b>	Spin 713 [i5/i7, 8/16GB]			✓	✓	✓	✓
	Spin 514 [Ryzen 5/7, 8GB]			✓	✓	✓	✓
	Spin 514 [i7, 16GB]			✓	✓	✓	✓
	Spin 514 (CP514-1WH) [Ryzen 5/7, 8GB]			✓	✓	✓	✓
	Spin 514 (CP514-2H) [i5/i7, 8/16GB]			✓	✓	✓	✓
	Spin 514 (CP514-3WH) [Ryzen 5/7, 8/16GB]			✓	✓	✓	✓
	Spin 714 (CP714-1WN) [i5/i7, 8/16GB]			✓	✓	✓	✓



Field / Mobile / Front of House Workers    Kiosk / Signage    Contact Center    Information worker    Executive / Mobile Professional    Clinician

**For browsing & single tasks**

Clamshell	CX1101C/CX1102C [11.6", Celeron, 4/8GB]	✓	✓			
	C424/CX1400C [14", Celeron, 4/8GB]	✓	✓			
	CX1500C [15.6", Celeron, 4/8GB]	✓	✓			
	CX1700C [17", Celeron, 4/8GB]	✓	✓			
Convertible	CX1102F [11.6", Celeron, 4/8GB]	✓				
	CM3200F [12", MT8192, 4GB]	✓				
	CX1400F [14", Celeron, 4GB]	✓				
	CX1500F [14", Celeron, 4/8GB]					
	C433 [14", m3, 4GB]	✓				
	C434 [14", m3, 4GB]	✓				
	CM5500F [15.6", Ryzen 3, 4/8GB]	✓				
	Chromebook Vibe CX34 Flip [i3, 4GB]	✓				
Chromebox	4 [Celeron, 8/16GB]	✓	✓			
Tablet	CZ1000 [MTK8183, 4GB]	✓				
	CM3000 [MTK8183, 4GB]	✓				

**For collaborating**

Clamshell	CX1400C [14", Pentium, 8GB]	✓	✓			
	CX1500C [15.6", Pentium, 8GB]	✓	✓			
Convertible	CX1102F [11.6", Pentium, 8GB]			✓	✓	
	CX1400F [14", Pentium, 8GB]			✓	✓	
	CM1400F [14", 3015Ce, 8GB]			✓	✓	
	CX1500F [15.6", Pentium, 8GB]			✓	✓	
	C433 [14", m3, 8GB]			✓	✓	
	C434 [14", m3, 8GB]			✓	✓	
Chromebox	4 [Pentium, Fanless i3, 8/16GB]	✓	✓	✓	✓	

**For apps & virtualization**

Clamshell	CX9400 [i5/i7, 8/16GB]	✓	✓	✓	✓	
Chromebox	4 [i3, 8/16GB]	✓	✓	✓	✓	✓
	5 [Pentium, 16GB]	✓	✓	✓	✓	
Convertible	CX3400F [14", i3, 8GB]			✓	✓	✓
	CX5400F [14", i3, 8GB]			✓	✓	✓
	CM5500F [Ryzen 3 8/16GB]			✓	✓	✓
	C434 [14", Fanless i5, 8GB]			✓	✓	✓
	Chromebook Vibe CX3401F [14", i5, 8GB]	✓		✓	✓	✓
	Chromebook Vibe CX5501F [15.6", i3/i5, 8GB]	✓		✓	✓	✓
	CX5500F [15.6", i3/i5, 8GB]			✓	✓	✓
	CX5601F [16", i5, 8GB]			✓	✓	✓

**For power usage**

Chromebox	4 [i5/i7, 8/16GB] or [Fanless i5/i7, 16GB]		✓	✓	✓	✓
	5 [i7, 32GB]		✓	✓	✓	✓
Convertible	CX5400F [14", i5/i7, 8/16GB]			✓	✓	✓
	CX5500F [15.6", i5/i7, 8/16GB]			✓	✓	✓
	CX5601F [16", i5, 8GB]			✓	✓	✓
	Chromebook Vibe CX3401F [14", i5, 8GB]	✓		✓	✓	✓
	Chromebook Vibe CX5501F [15.6", i3/i5, 8GB]	✓		✓	✓	✓
	CX3400F [14", i5/i7, 8/16GB]	✓		✓	✓	✓

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		Field / Mobile / Front of House Workers	Kiosk / Signage	Contact Center	Information worker	Executive / Mobile Professional	Clinician
<b>For browsing &amp; single tasks</b>							
Clamshell	Latitude 5400 [Celeron, 4/8GB] [i3, 4GB]	✓	✓				
<b>For collaborating</b>							
<b>For apps &amp; virtualization</b>							
Clamshell	Latitude 5400 [i3, 8GB]	✓	✓				✓
	Latitude 7410 [i3, 8/16GB]	✓	✓	✓	✓		✓
	Latitude 5430 Chromebook [Pentium, i3, i5 8GB]	✓	✓	✓	✓		✓
Convertible	Latitude 7410 [i3, 8/16GB]			✓	✓	✓	✓
	Latitude 5430 2-in-1 Chromebook [Pentium, i3, 8GB]	✓	✓	✓	✓		✓
<b>For power usage</b>							
Clamshell	Latitude 5400 [i5/i7, 8/16/32GB]			✓	✓		✓
	Latitude 7410 [i5/i7, 8/16GB]			✓	✓		✓
	Latitude 5430 Chromebook [i7, 16GB]	✓	✓	✓	✓		✓
Convertible	Latitude 7410 [i5/i7, 8/16GB]			✓	✓	✓	✓
	Latitude 5430 2-in-1 Chromebook [i7, 16GB]	✓	✓	✓	✓	✓	✓

If no device is listed under a use case, customers are recommended to select a device from the next advanced use case.

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		Field / Mobile / Front of House Workers	Kiosk / Signage	Contact Center	Information worker	Executive / Mobile Professional	Clinician
<b>For browsing &amp; single tasks</b>							
<b>Clamshell</b>	HP Chromebook 14 G7 [Celeron, 4GB]	✓	✓				
	HP Fortis 14" G10 Chromebook [N5100, 4/8GB]	✓	✓				
	HP Fortis 14" G10 Chromebook [N4500, 4/8GB]	✓	✓				
<b>Chromebox</b>	HP Chromebox G3 [Celeron, 4/8GB], [i3/i5/i7, 4GB]	✓	✓				
<b>For collaborating</b>							
<b>Clamshell</b>	HP Fortis 14" G10 Chromebook [N6000, 8GB]	✓	✓	✓	✓		
	HP Elite c640 14" G3 Chromebook [Pentium, 8GB]	✓	✓	✓	✓		
	HP Elite c640 14" G3 Chromebook [Celeron, 8GB]	✓	✓	✓	✓		
<b>For apps &amp; virtualization</b>							
<b>Clamshell</b>	HP Pro c640 G2 Chromebook [i3, 8GB]	✓	✓	✓	✓		✓
	HP Elite c640 14" G3 Chromebook [i5, 8GB]	✓	✓	✓	✓		✓
	HP Elite c645 14" G2 Chromebook [Ryzen 3/5, 8GB]	✓	✓	✓	✓		✓
<b>Chromebox</b>	HP Chromebox G3 [i3, 8/16GB]	✓	✓	✓	✓		✓
<b>Convertible</b>	Elite Dragonfly 13			✓	✓	✓	✓
	HP Elite Dragonfly 13.5" Chromebook [i3/i5, 8GB]						
	Elite c1030 Chromebook [i3, 8GB]			✓	✓	✓	✓
<b>For power usage</b>							
<b>Clamshell</b>	HP Pro c640 G2 Chromebook [i5/i7, 8/16GB]		✓	✓	✓		✓
	HP Elite c640 14" G3 Chromebook [i7, 16GB]		✓	✓	✓		✓
	HP Elite c645 14" G2 Chromebook [Ryzen 7, 16GB]		✓	✓	✓		✓
<b>Chromebox</b>	HP Chromebox G3 [i5/i7, 8/16GB]		✓	✓	✓		✓
<b>Convertible</b>	Elite Dragonfly 13.5" Chromebook [i5/i7, 16/32 GB]			✓	✓	✓	✓
	Elite c1030 Chromebook [i5/i7, 8/16GB]			✓	✓	✓	✓

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		Field / Mobile / Front of House Workers	Kiosk / Signage	Contact Center	Information worker	Executive / Mobile Professional	Clinician
<b>For browsing &amp; single tasks</b>							
Clamshell	Chromebook 14e [A6, 4/8GB]	✓	✓				
	Chromebook 14e [3015ce, 4/8GB]	✓	✓				
	ThinkPad C14 Chromebook [Pentium/i3, 4GB]	✓	✓				
Convertible	Flex 5i Chromebook [Pentium, 4-8/64-256GB]	✓					
Chromebox:	ThinkCentre M60q [Celeron, 4GB]	✓	✓				
<b>For collaborating</b>							
Clamshell	Chromebook 14e [i3, 4/8GB]	✓	✓	✓	✓		
Convertible	Flex 5i Chromebook [i3, 8/256GB]			✓	✓		
Chromebox:	ThinkCentre M60q [i3, 8GB]	✓	✓	✓	✓		
<b>For apps &amp; virtualization</b>							
Clamshell	ThinkPad C14 Chromebook [i5, 8GB]	✓	✓	✓	✓		✓
Convertible	Flex 5i Chromebook [i5, 8/256GB]			✓	✓	✓	✓
Chromebox:	ThinkCentre M60q [i5, 16GB]	✓	✓	✓	✓		✓
<b>For power usage</b>							
Clamshell	ThinkPad C14 Gen 1 Chromebook [i7, 16GB]		✓	✓	✓		✓
Convertible	Flex 5i Chromebook [i5, 8/256GB]			✓	✓	✓	✓

Some configurations may only be available in select markets. Please contact your OEM representative regarding the availability of specific devices and configurations.

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		Field / Mobile / Front of House Workers	Kiosk / Signage	Contact Center	Information worker	Executive / Mobile Professional	Clinician
<b>For browsing &amp; single tasks</b>							
Clamshell	Galaxy Chromebook Go [Celeron, 4/8GB]	✓	✓				
Convertible:	Galaxy Chromebook 2 [Celeron, 4GB]	✓					
	Galaxy Chromebook 2 360 [Celeron, 4GB]	✓					
<b>For collaborating</b>							
<b>For apps &amp; virtualization</b>							
Convertible	Galaxy Chromebook 2 [i3, 8GB]			✓	✓		✓
<b>For power usage</b>							
Convertible	Galaxy Chromebook 2 [i5, 8/16GB]			✓	✓	✓	✓

If no device is listed under a use case, customers are recommended to select a device from the next advanced use case.

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