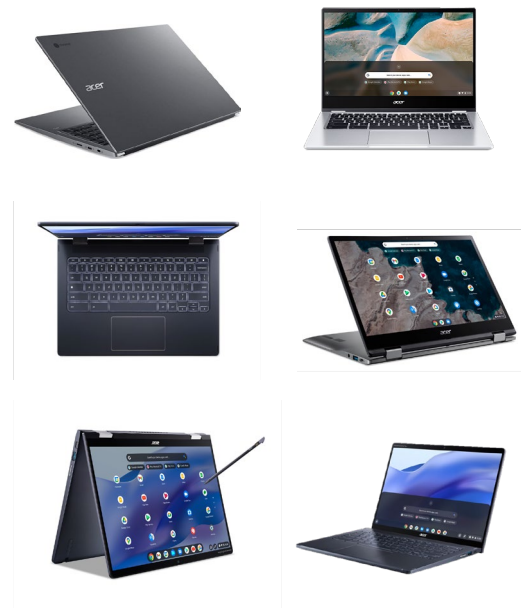# Selecting the **right ChromeOS device** for your cloud workers

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	**2**	**3**	**4**
Identify the primary use case, or how the device will be used.	Map out the device specifications required for these use cases.	Make recommendations for devices that meet these needs.	Compare across the device ecosystem and find the right device.

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→ This document is meant to help you have the right conversation with your customer so you can select the right device for each worker.

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.

Increasing workload intensity

Primary use case	For browsing & single tasks	For collaborating	For apps & virtualization	For power usage
Web browser tab load[1]	Medium	High	High	High
Email	✓	✓	✓	✓
Google Workspace/ Web productivity apps	Note[2]	✓	✓	✓
Video conferencing	Note[2]	✓	✓	✓
Android apps	Note[2]	Note[2]	✓	✓
Always-on VDI/Persistent streaming	Note[2]	Note[2]	✓	✓
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	Fan Intel i3, i5, i7 AMD Ryzen 3, 5, 7	Fan Intel i5, i7 AMD Ryzen 5, 7
		Fanless Intel i3	Fanless Intel i5, i7	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
For browsing & single tasks	Clamshell, Chromebox, Tablets (Detachable), Convertible **Preferred features:** Ruggadized 12–15" Screen Size	Chromeboxes, Chromebase, Clamshells **Preferred features:** Fanless, Dust & Heat Resistant, Ruggedized, 13"+ Screen Size	Clamshell, Convertible, Chromebox, Chromebase **Preferred features:** Fingerprint Sensor, Privacy Screens, Backlit Keyboard, 13–15" Screen Size	Clamshell, Convertible, Chromebox, Chromebase **Preferred features:** Fingerprint Sensor, Privacy Screens, Backlit Keyboard, 13–15" Screen Size	Clamshell, Chromebox, Convertibles **Preferred features:** 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 **Preferred features:** Stylus, Backlit Keyboard, Fingerprint Sensor, Privacy Screen, 400 nits, 2K+ resolution, 12–14" Screen Size
For collaborating						
For apps & virtualization						
For power usage						

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
For browsing & single tasks							
Clamshell	CB315 [Celeron, 8/4GB]	✓					
	CB512 [Celeron, 4/8GB	✓	✓				
	CB514 [Pentium, 4GB]	✓	✓				
	CBV514 [Pentium, 4GB]	✓	✓				
	CB515 [Pentium, 4GB]	✓	✓				
	CB314/C934 [Celeron, 4GB]	✓	✓				
Chromebase	CA24I2 [Celeron, 4/8GB] or [i7, 4GB]	✓	✓				
Chromebox	CXI4 [Celeron, 4GB]	✓	✓				
	CXI5 [Celeron 7305U 4GB]	✓	✓				
Tablet	Chromebook Tab 510 / Enterprise Tab 510 [Qualcomm, 4GB]	✓					
Convertible	Spin 513 [SC7180, 4GB]	✓					
	Spin 514 (CP514-1WH) [Ryzen 3, 4GB]	✓					
For collaborating							
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]			✓	✓		
For apps & virtualization							
Clamshell	CB514 [i3, 8GB]	✓	✓	✓			
	CBV514 [i3, 8GB]	✓	✓	✓			
	CB515 [i3, 8GB]	✓	✓	✓			
Chromebase	CA24I2 [i3, 8GB]		✓	✓	✓		
Chromebox	CXI4 [i3, 8GB]	✓	✓	✓			
	CXI5 [i3, 8GB]	✓	✓	✓			
Convertible	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]			✓	✓		
	Spin 714 (CP714-2WN) [i3, 8GB]			✓	✓		

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

		Field / Mobile / Front of House Workers	Kiosk / Signage	Contact Center	Information worker	Executive / Mobile Professional	Clinician
For power usage							
Clamshell	CB514 [i5/i7, 8GB]		✓	✓	✓		✓
	CBV514 [i5/i7, 8/16 GB]		✓	✓	✓		✓
	CB515 [i5/i7, 8/16GB]		✓	✓	✓		✓
Chromebase	CA24I2 [i5, 8GB]		✓	✓	✓		
Chromebox	CXI4 [i5/i7, 8/16GB]		✓	✓			✓
	CXI5 [i5/i7, 8/16GB]		✓	✓	✓		✓
Convertible	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]			✓	✓	✓	✓
	Spin 714 (CP714-2WN) [i5/i7, 8/16GB]			✓	✓	✓	✓