chromeOS

Find the right **ChromeOS device** to meet your business needs.

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.

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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 two primary use cases:**

- Standard Workload
- Advanced Workload

For example, frontline workers may find that a device that supports a standard workload is all they need. Some Contact Center workers and Clinicians may need access to legacy applications and virtualized environments, therefore devices that support an advanced workload.

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

Increasing workload intensity →

Primary use case	Standard Workload	Advanced Workload
Web browser tab load The number of concurrent web browser tabs open	14-25	26+
Email	✓	✓
Google Workspace/Web productivity apps	Note[1,2]	✓
Video conferencing	Note[1,2]	✓
Android apps	Note[1,2]	✓
Always-on VDI/Persistent streaming	Note[1,2]	✓
Display support	Notebook screen, external monitor	Dual external monitor via docking station, 4k monitor

1. May be able to handle single tasks for example, Google Workspace, video conferencing, VDI (for example., 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 Advanced Workload configuration is recommended.
2. For video conferencing and productivity applications within Standard Workload tier, we recommend devices that have at least 8GB of RAM (platforms such as Intel Pentium, AMD Athlon, Qualcomm 7c, Fanles)

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	Standard Workload	Advanced Workload
Minimum CPU*	Intel Celeron AMD MTK 8183 Intel Pentium, AMD Athlon, Qualcomm 7c	Intel i3, i5, i7 AMD Ryzen 3, 5, 7
Minimum RAM	4GB+	8GB+

*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 user

Here are some use cases for a broad set of worker profiles. The device form factors and features that would provide an ideal experience are listed for each.

Note: Devices that fall into advanced use cases can be utilized for use cases with lesser workloads.

	Frontline	Kiosk / Signage	Contact Center	Clinician	Knowledge Worker
Standard Workload	Clamshell, Convertible, Chromebox, Tablets/Detachable **Preferred features:** Ruggadized 12–15" screen size	Clamshell, Chromebox, Chromebase **Preferred features:** Fanless, dust & heat resistant, ruggedized, 13"+ screen size			
Advanced Workload			Clamshell, Convertible, Chromebox, Chromebase **Preferred features:** Fingerprint sensor, privacy screens, backlit keyboard, 13–15" screen size	Clamshell, Convertible, Chromebox **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.	Clamshell, Convertible, Chromebox

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 workload use cases can still be utilized for use cases requiring standard workload specifications. However, the devices marked as "Standard Workload'" 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 shouldn't prevent it from being used for frontline workers if it meets their needs.

Tools, programs, and products

ChromeOS Enterprise devices:
Purchase a Chromebook Enterprise device with Chrome Enterprise Upgrade built-in so your business can remotely manage, configure, and deploy devices. This bundled upgrade covers the life of the device. Or, add the Chrome Enterprise Upgrade to any device. See more here.

Chromebook Plus: Chromebook Plus is powerful, affordable, and helps your teams do more. Power your workforce, unleash your organization's creativity, and enable offline work from anywhere. Chromebook Plus devices and devices eligible for Chromebook Plus OS features are noted in blue. Learn more here.

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: 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.

		Frontline	Kiosk / Signage	Contact Center	Clinician	Knowledge
Standard Workload						
Clamshell	CB314/C934 [Celeron, Pentium, 4GB/8GB]	✔	✔			
	CB315 [Celeron, 4/8GB]	✔				
	CB512 [Celeron, 4/8GB	✔	✔			
	CB514 [Pentium, 4/8GB]	✔	✔			
	CBV514 [Pentium, 4/8GB]	✔	✔			
	CB515 [Pentium, 4/8GB]	✔	✔			
	CBV712 [Celeron, Pentium, 4GB/8GB]	✔	✔			
Convertible	Spin 513 [SC7180, 4GB, 8GB]	✔		✔		
	Spin 514 (CP514-1WH) [Ryzen 3, 4GB]	✔				
Chromebase	CA24I2 [Celeron, 4/8GB] or [i7, 4GB]	✔	✔			
Chromebox	CXI4 [Celeron, 4GB]	✔	✔			
	CXI5 [Celeron, 4GB] / Acer-Add-In-One	✔	✔			
Detachable	Chromebook Tab 510 [Qualcomm, 4GB]	✔				
Advanced Workload						
Clamshell	CB314 [i3, 8GB/16GB]					
	CB514 [i3/i5/i7, 8GB]	✔	✔	✔	✔	✔
	CBV514 [i3/i5/i7, 8/16GB]	✔	✔	✔	✔	✔
	CB514 Plus (CBE574-1/CBE574-1T) [R3/R5, 8GB/16GB]	✔	✔	✔	✔	✔
	CB515 [i3/i5/i7, 8/16GB]	✔	✔	✔		
	CB515 Plus (CBE595-1/CBE595-1T) [i3/i5/i7, 8GB/16GB]	✔	✔	✔	✔	✔
	CBV712 [i3, 8GB]	✔	✔	✔	✔	✔
Chromebase	CA24I2 [i3/i5, 8GB]		✔	✔		
Chromebox	CXI4 [i3/i5/i7, 8/16GB]	✔	✔	✔	✔	✔
	CXI5 [i3/i5/i7, 8/16GB] / Acer Add-in-One	✔	✔	✔	✔	✔
Convertible	Spin 713 [i3/i5/i7, 8/16GB]			✔	✔	✔
	Spin 514 [Ryzen 5/7, 8GB]			✔	✔	✔
	Spin 514 [i5/i7, 8/16GB]			✔	✔	✔
	Spin 514 (CP514-1WH/CP514-3WH) [Ryzen 3/5/7, 8GB]			✔	✔	✔
	Spin 514 (CP514-2H) [i5/i7, 8/16GB]			✔	✔	✔
	Spin 514 (CP514-3WH)[Ryzen 5/7, 8/16GB]			✔	✔	✔
	Spin 714 (CP714-1WN) [i3/i5/i7, 8/16GB] (Advance only)			✔	✔	✔
	Spin 714 (CP714-2WN) [i3/i5/i7, 8/16GB]			✔	✔	✔

Highlighted devices are Chromebook Plus devices or qualify for the OS update to include enhanced features found on Chromebook Plus devices.

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

		Frontline	Kiosk / Signage	Contact Center	Clinician	Knowledge
Standard Workload						
Clamshell	CX1101C/CX1102C [11.6", Celeron, 4/8GB]	✔	✔			
	C424/CX1400C [14", Celeron, Pentium, 4/8GB]	✔	✔			
	CX1500C [15.6", Celeron, Pentium, 4/8GB]	✔	✔			
	CX1700C [17", Celeron, 4/8GB]	✔	✔			
Convertible	CX1400F [14", Celeron, Pentium, 4/8GB]	✔		✔		
	CX1500F [14", Celeron, 4/8GB]					
	C433 [14", m3, 4/8GB]	✔		✔		
Chromebox	CF40 [Intel JSL N4500, 16GB]	✔	✔			
	Chromebox 5 [Celeron, 4/8GB]	✔	✔	✔		
	Chromebox 5a [Celeron, 4/8GB]	✔	✔	✔		
Detachable	CM3001 [10.5", MTK8186, 4/8GB]	✔				
Advanced Workload						
Clamshell	CX9400 [14", i5/i7, 8/16GB]	✔	✔	✔	✔	✔
	CX3402 [14", i3/i5/i7, 8/16GB]	✔	✔	✔	✔	✔
Chromebox	Chromebox 5 [i3/i5/i7, 16/32GB]	✔	✔	✔	✔	✔
	Chromebox 5a [i3/i5/i7, 16/32GB]	✔	✔	✔	✔	✔
Convertible	CX54 [14", Core Ultra i5/i7, 16GB]			✔	✔	✔
	CX3400F [14", i3/i5/i7, 8/16GB]	✔		✔	✔	✔
	CM3401FFA[14", Ryzen 3/5, 8/16GB]			✔		
	CX5400F [14", i3/i5/i7, 8/16GB]			✔	✔	✔
	CM5500F [15.6", Ryzen 3/5, 8/16GB]			✔	✔	✔
	CX5500F [15.6", i3/i5/i7, 8/16GB]			✔	✔	✔
	CX3401F [14", i3/i5/i7, 8/16GB]	✔		✔	✔	✔
	CX5601F [16", i3/i5/i7, 8/16GB]			✔	✔	✔

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		Frontline	Kiosk / Signage	Contact Center	Clinician	Knowledge
Standard Workload						
Clamshell	Latitude 3445 [Athlon Gold/Athlon Silver, 4GB]	✔	✔	✔		
Advanced Workload						
Clamshell	Latitude 3445 [R3/R5, 8/16GB]	✔	✔	✔		
	Latitude 5430 Chromebook [i3/i5/i7, 8/16GB]	✔	✔	✔	✔	✔
Convertible	Latitude 5430 2-in-1 Chromebook [Pentium, i3/i7, 8/16GB]	✔	✔	✔	✔	✔

DELL

		Frontline	Kiosk / Signage	Contact Center	Clinician	Knowledge
Standard Workload						
Clamshell	HP Chromebook 14 G7 [Celeron, 4GB]	✔	✔			
	HP Fortis 14" G11 Chromebook [N200, 16GB]	✔	✔	✔		
	HP Fortis 11 G10 Chromebook [N200, 16GB]	✔	✔	✔		
Chromebox	HP Chromebox G4 [Celeron, 4/8GB], [i3/i5/i7, 4GB]	✔	✔			
Convertible	HP Fortis x360 11 G5 [N200, 16GB]	✔	✔	✔		
Advanced Workload						
Clamshell	HP Elite c640 G3 14" Chromebook [Celeron, Pentium, i3/i5/i7, 8/16GB]	✔	✔	✔	✔	✔
Chromebox	HP Chromebox G4 [i3/i5/i7, 8/16/32GB]	✔	✔	✔	✔	✔
Convertible	HP Elite Dragonfly 13.5" Chromebook [i3/i5, 8/16/32GB]			✔	✔	✔

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		Frontline	Kiosk / Signage	Contact Center	Clinician	Knowledge
Standard Workload						
Clamshell	Chromebook 14e Gen 3 [N100, 4/8GB]	✔	✔			
Convertible	Flex 5i Chromebook [Pentium, 4-8/64-256GB]	✔				
Chromebox	ThinkCentre M60q [Celeron, 4GB]	✔	✔			
	Chromebox Micro [Celeron, 4GB]]	✔	✔			
Advanced Workload						
Clamshell	Chromebook 14e [i3, 4/8GB]	✔	✔	✔		
	Chromebook 14e Gen 3 [i3, 4/8GB]	✔	✔	✔		
Convertible	Flex 5i Chromebook [i3/i5, 8/256GB]			✔	✔	✔
Chromebox	ThinkCentre M60q [i3/i5, 8/16GB]	✔	✔	✔	✔	✔

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

		Frontline	Kiosk / Signage	Contact Center	Clinician	Knowledge
Standard Workload						
Clamshell	Galaxy Chromebook Go [Celeron, 4/8GB]	✔	✔			
Convertible	Galaxy Chromebook 2 360 [Celeron, 4GB]	✔				
Advanced Workload						
Convertible	Galaxy Chromebook 2 [i3, 8GB]			✔	✔	✔