



Lenovo Chromebox Micro for Digital and Interactive Display Solutions User Guide

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Lenovo



Lenovo Chromebox Micro
Solution Guide
Micro Size, Macro Performance



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Chromebox Micro for Digital and Interactive Display Solutions










Lenovo Chromebox Micro Solution Industries

The Lenovo Chromebox Micro is a marvel of technological design and innovation, it is the powerhouse behind an extensive array of digital solutions tailored for a diverse range of industries and environments.

The advanced features and robust performance make it ideal for enhancing customer engagement and streamlining operations across numerous environments. From retail to corporate sectors, and from educational institutions to transportation hubs, the Lenovo Chromebox Micro is pivotal in delivering dynamic and effective digital communications. Its applicability extends to specialized areas like healthcare, hospitality, and high-stakes control rooms, highlighting its adaptability and efficiency in meeting diverse digital display needs.

This device not only simplifies the delivery of information and promotional content but also elevates the user experience through its state-of-the-art technology.



	Retail: Wayfinding, in-store advertisements, kiosks, digital menu boards, and drive-through displays at retail outlets and restaurants.
	Healthcare & Hospitality Displays: Virtual concierge, wayfinding, infotainment, and waiting room displays in healthcare and casino settings.
	Corporate: Logos, wayfinding, product and service information in receptions, lobbies, banks, and manufacturing units. Presentation tools for conference and meeting rooms.
	Airport & Transportation: Flight, gate, and baggage info, wayfinding, and promotion displays in airports.
	Entertainment: Promotions, schedules, entrance displays, and infotainment across large venues, worship houses, and museums.
	Control & Surveillance: Data visualization for control rooms, network centers, and high-performance security/surveillance applications.
	Education: School/university logos, campus communication, schedules, and emergency procedure displays. Interactive and non-interactive LCDs for classrooms and lecture halls.

Lenovo Chromebox Micro: Retail Solutions

In the contemporary retail environment, stores leverage diverse displays to enhance the customer experience. Branding elements, both inside and outside, solidify corporate identity, while digital wayfinding tools guide customers effortlessly. Informational and POS displays spotlight promotions and products, nudging impulse purchases. Interactive kiosks offer convenience, merging service with technology. Meanwhile, end-cap displays transform the shopping journey, and decorative elements elevate the store's atmosphere. Additionally, communication tools ensure that staff remain cohesive and well-informed, optimizing the overall in-store shopping experience.



1. Branding

For corporate branding, logos and animations.

2. Wayfinding

Digital Displays for directions can be real-time, dynamic and interactive.

3. Information

Inform and advertise products, promotions, services and events.

4. Point of Sale

POS Displays can be used to draw attention to products, promotions or offers and encourage impulse purchases as customers finalize their transactions.

5. Kiosks

Interactive touchscreen kiosks are versatile and adaptable, offering users convenience while optimizing service delivery for businesses and institutions.

6. End-cap and Shelf

Transforms shopping into a dynamic experience while spotlighting products and encouraging impulse purchases.

7. Decorative

Primarily serves aesthetic purposes aiming to enhance the visual appeal of the environment.

8. Employee Communications

Corporate communication displays in the workplace can lead to more informed, engaged and cohesive teams.

Lenovo Chromebox Micro: Other Vertical Solutions

The Lenovo Chromebox Micro is the driving force behind advanced digital displays in various industries. This device enables interactive learning through whiteboards in education, streamlines check-ins with self-service kiosks in travel, and enhances operational oversight with monitor and control displays in manufacturing. It also improves employee management with check-in displays and delivers timely information in waiting areas. The Lenovo Chromebox Micro is essential for efficient communication and management across diverse sectors.



1. Interactive Whiteboards

Touch-sensitive displays that allow users to write, draw, and interact with content directly on the screen.

2. Campus and workplace Communications

Displays can be visual communication tools used within institutions to convey information, announcements, and events.

3. Waiting Rooms

Placed in reception or waiting areas, providing visitors with information, entertainment, or updates while they await their appointment or service.

4. Check-in Kiosks

Self-service terminals that allow guests or passengers to register, obtain boarding passes or tickets, and manage their bookings without manual assistance.

5. Transport

Gate and baggage displays found at transportation hubs provide passengers with real-time updates on travel status, departure/arrival gates, and baggage claim locations.

6. Monitor and Control

Essential for helping operators monitor and manage manufacturing processes. They provide real-time data on machinery performance, production metrics, and system health.

7. Employee Check-in

A digital interface designed for employees to mark their attendance facilitating efficient time tracking.

Lenovo OEM Solutions Powering what's next in digital signage experiences

Lenovo OEM Solutions enable brands around the world to bring innovative products—built with Lenovo's reliable hardware and backed by our OEM services and capabilities—to market.

Founded on the pillars of predictability, innovation, and partnership, Lenovo OEM serves to bridge the gap between what our OEM customers are currently capable of, and what they envision themselves achieving. By closely aligning our solutions to a customer's specific needs, we accelerate success and help you deliver world-class service.

We leverage our extensive network of vetted 3rd party product and software partnerships to provide end-to-end turnkey solutions that can be customized or ready to deploy. Delivering more innovation, efficiency, and faster time to profit for your business.

We achieve this in three simple ways:

Predictable Deployment / Implementation Services

Accelerate your time to productivity. We'll help you streamline implementation and management of new technologies so you can get back to business.

Innovative End-to-End Hardware





Lenovo is your partner for innovative, dependable hardware, specialized for your unique requirements, so you can focus on what makes your solution remarkable.

Reliable Partner & Solution Services

You can count on us to be your trusted advisor. We'll work with you to develop comprehensive solutions that stand the test of time.



Lenovo OEM Solutions can offer

	Multi-Level Customization Lenovo offers customization at every turn to ensure that your embedded hardware suits your needs.
	Global Specialization Lenovo's global presence grants you access to the highest level of service, no matter where you are in the world.
	Extended Lifecycle Management Lenovo is dedicated to extending the life of our machines and providing enhanced support services.
	E2E Program Management Lenovo supports your end-to-end solution stages, from pre-design to transition management.

Lenovo Chromebox Micro Product Specifications



Processor

Intel Celeron N4500, dual core
Burst: 2.8GHz
Base: 1.1GHz

Connectivity

Wi-Fi 6
Bluetooth 5.2

Gigabit Ethernet

Weight and Volume

350g, 0.25L

Memory

8GB LPDDR4X

Storage

32GB eMMC

Ports

2 x USB-C 3.2 Gen 1

2 x USB-A 3.2 Gen 1

1 x HDMI 1.4

1 x RJ45

1 x Audio Jack

Dimensions

163 x 79 x 19.7mm

Security and Durability

Commercial grade and MIL-Spec

24/7 operation, easy-on

Humid resistance and dust proof

H1 security chip

Operating System

ChromeOS

Serviceability and Manageability

Lenovo Warranty: 1 year

Warranty Extension: 3 years





Chrome Enterprise Upgrade

Kiosk & Signage Upgrade

Instorescreen: Purpose Built Digital Signage

Technology in retail has in the past been based on consumer products such as TVs, computer monitors or at best a few custom application screens. With Smart Retail 2.0 any technology that we offer has been developed specifically for retail environments, with the help of our retail experts. There are no compromises or cost cutting corners, we have invested heavily in order to provide you with the best products possible.

Instorescreen Core Principles

	Reliability & durability High quality, durable, commercial grade solutions made in-house from quality components.
	Purposeful design Purpose-built digital signage and touch screens designed for the best user experience.
	Lenovo preferred partners Trusted and tested to meet Lenovo's high standards for solution partnership
	Long lifecycle 3-5 Year lifecycle and product transition management for predictive lifecycle stability.

Instorescreen and Lenovo OEM Benefits

Full OEM Portfolio of Offerings

- Commercial product offerings including PCs, Smart Edge Gateways, Tablets, Servers, Storage, Networking & 3rd Party offerings.
- Extended Life Program: providing 3-5 years, lifecycle across multiple platforms.

- Global warranty and premier services.

Global OEM Specialization

- Dedicated OEM sales specialists with global and regional coverage.
- Dedicated engineering resources focused on innovation for your solution development needs.
- Vertical positioning and industry expertise.

OEM Capabilities

- E2E program management for your solution.
- Multi-level customization services, including blank chassis, bezels, packaging, logos, documentation, WW Label, imaging and global deployment services.
- Strategic technologyz partnerships, including Intel IOTG Solution Alliance, RFP Ready Kits and Market Ready Solutions.

Instorescreen inFLEX Displays: Designed for the Lenovo Chromebox Micro



inFLEX Display

InFlex Display is the latest product series from Instorescreen.

- 15.6" or 21.5" size
- Full HD LCD IPS Panel
- Hardened, easy to clean protective glass
- Durable and sturdy metal Enclosure
- Commercial grade (24/7 usage)



The Perfect Fit

At 6.42 x 3.11 x 0.78 Inches the Lenovo Chromebox Micro can fit comfortably secured at the rear of the 15.6 or 21.5 Inch inflex Display ensuring unhindered access to all ports, while offering a streamlined and integrated appearance.



Benefits of ChromeOS

ChromeOS delivers a seamless, fully integrated solution for customer and employee-facing kiosks and digital signage. With a secure operating system, broad range of devices, optimized app solutions and remote management, ChromeOS can help modernize your business.

Help for almost any business

Tools to enhance information access, speed up transactions, and streamline workflows across various industries, from retail to restaurants.

Ensure system security and data safety

- No ransomware reported on a ChromeOS device, ever.
- ChromeOS blocks executables, prevents apps and extensions from modifying the OS, and has tamper-proof hardware.

Reduce maintenance and improve reliability

Devices boot directly into kiosk and digital signage mode and launch your app. You can control updates and opt into a long-term support channel to ensure reliability.

Easily monitor, control and manage devices

Manage your devices from anywhere. Use the Google Admin console to deploy apps, monitor the health of devices, capture system logs, reboot, take screenshots, remotely control through Chrome Remote Desktop and more.



Device Management

ChromeOS is not just a robust operating system for devices; it's a comprehensive solution for efficiently and securely managing an entire digital ecosystem. Chrome Enterprise Upgrade and Kiosk & Signage Upgrade are two upgrade options tailored to optimize business kiosks and digital signage.

Kiosk & Signage Upgrade

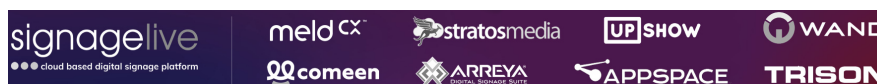
Tailored for single-application, purpose-built devices like kiosks and digital signs. It focuses on simplified remote management, security for public devices, and specific functionalities suited for kiosks and digital signage.

Chrome Enterprise Upgrade

A comprehensive solution for managing a wide range of ChromeOS devices within an organization. It offers advanced security and policy options, extensive device management capabilities, and support for a broader range of enterprise needs.

In summary, both services are built around ChromeOS, offer management features and have 24/7 IT admin support. However, "Kiosk and Signage Upgrade" is tailored for single-application, public-facing devices like kiosks and digital signs. In contrast, "Chrome Enterprise Upgrade" is designed for broader enterprise use, providing extensive management and security features for a range of ChromeOS devices within an organization.

End-to-end integrated solution: Chrome Enterprise Recommended:



Let's talk about what's possible with Lenovo Chromebox Micro

Get in touch to find out how Lenovo OEM Solutions and Lenovo Chromebox Micro can accelerate time to market for your solutions and help to establish valuable, sustainable customer relationships.

[Contact Us](#)



Documents / Resources



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Chromebox Micro for Digital and Interactive Display Solutions, Micro for Digital and Interactive
Display Solutions, Digital and Interactive Display Solutions, Interactive Display Solutions, Displa
y Solutions

References

- [User Manual](#)

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