
Radxa Linkr Product Brief

Remote Control Tool

1.4

2026-07-29



Radxa Computer



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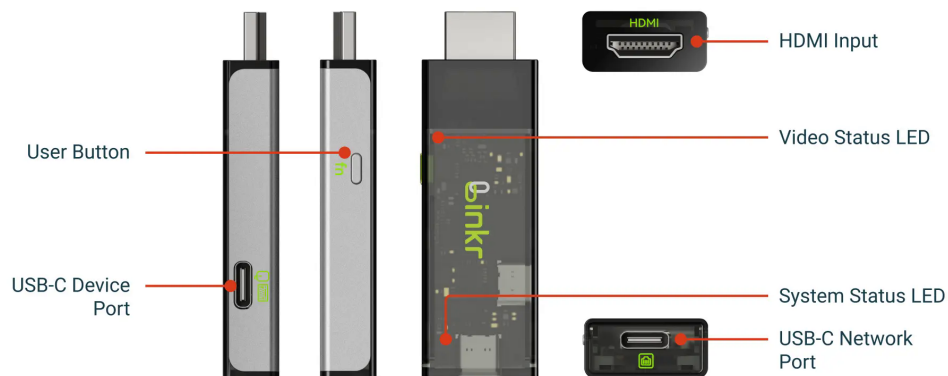
1 Revision Control

Version	Date	Changes from previous version
1.0	2026-07-22	First release
1.1	2026-07-28	Update product image and add status LED spec
1.2	2026-07-28	Align features and specifications with current Linkr capabilities
1.3	2026-07-28	Add video streaming features and package contents
1.4	2026-07-29	Updated product specifications

2 Introduction

Radxa Linkr is a remote control tool designed for users, developers, and AI agents. By connecting target devices via HDMI and USB, it enables remote viewing and keyboard/mouse operation—letting humans and AI agents collaboratively control devices.

Radxa Linkr brings any device into your browser. With HDMI video input up to 2K@30Hz, multiple network connection options, and cross-platform driverless control, it bridges the gap between physical devices and digital workflows. Whether you're debugging a headless server, managing multiple devices remotely, or empowering AI agents to interact with real hardware, Radxa Linkr delivers a seamless and consistent experience.



3 Features

3.1 Browser-Based Remote Control

View and control target devices directly from a browser without installing software or drivers on the target or attaching a monitor, keyboard, or mouse. HDMI capture and USB HID control remain available before the operating system starts, enabling remote access to boot screens and BIOS/UEFI settings.

3.2 Clear Video Streaming

- Up to 2K@30Hz HDMI video input
- H.264 and MJPEG video streaming
- H.264 over WebRTC or WebSocket, and MJPEG over WebSocket

3.3 AI Agent Collaboration

Public APIs, access tokens, and Skills enable scripts, monitoring systems, and AI agents to control real hardware without a browser login session.

- Capture the current screen as a JPEG image
- Send keyboard and mouse control commands
- Integrate with CI/CD and operations tools

3.4 Cross-Platform Driverless Control

Supports cross-platform driverless control, with both host and target devices running on various operating systems.

- **Host devices:** Windows, macOS, iOS, Linux, HarmonyOS, Android
- **Target devices:** Windows, macOS, Linux, HarmonyOS

3.5 [linkr.now](#) Device Hub

[linkr.now](#) is the browser-based discovery and management hub for Radxa Linkr, providing:

- Automatic discovery of devices connected locally over USB or available on the local network
- Unified multi-device display, identification, and access to each device console

3.6 Enhanced Remote Operations

The Linkr browser console provides:

- Remote Paste and screen keyboard
- Recording and screenshots
- Virtual keyboard and custom hotkey
- Scaling mode and display compatibility settings
- Absolute and relative mouse modes
- Virtual media using ISO and IMG images

3.7 Remote Recovery and Maintenance

Linkr supports out-of-band workflows from a single browser console:

- Send a standard Wake-on-LAN Magic Packet to wake compatible target devices from shutdown or sleep
- Upload, mount, and unmount ISO or IMG virtual media for operating system deployment, driver loading, and offline maintenance
- Adjust EDID compatibility, image quality, mouse sensitivity, sleep prevention, and absolute or relative mouse modes
- Manage device identity, install local firmware updates, restore settings, and export diagnostic logs

3.8 Connection Options

Multiple connection methods supported:

- USB-C direct connection
- USB-C to RJ45 Ethernet
- Wi-Fi client
- Wi-Fi access point
- Tailscale remote network access without port forwarding or a public IP

Note: Wi-Fi client and access point modes require initial configuration through a wired connection. Tailscale remote access requires an Internet connection and a Tailscale account; local control does not.

3.9 Privacy & Security

Adopts a local-first design with layered protection from device boot to browser access.

- Local control operates without cloud dependency; firmware can be upgraded locally
- Secure Boot protects firmware integrity, while OTP protects the unique device identity
- TOTP two-factor authentication provides an additional sign-in factor for remote console access

3.10 Compact and Portable

The 70 x 22 x 12 mm enclosure is compact enough for portable troubleshooting, field service, and temporary remote-access deployments.

4 Specifications

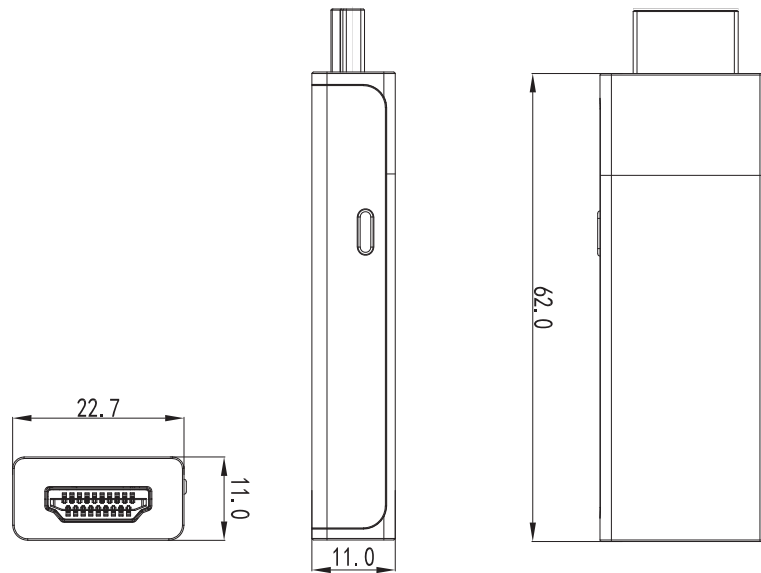
Storage	Optional 16GB eMMC or microSD card slot - Stores firmware and virtual media images
Display Input	HDMI input - Up to 2K@30Hz
Network	USB-C Network Port - Built-in wireless card with Wi-Fi client and hotspot support
USB	1x USB-C Device Port - Keyboard and mouse control data transmission - Supports power input 1x USB-C Network Port - Type-C direct PC connection - Type-C to RJ45 adapter for 10/100 Mbps Ethernet - Supports power input
Button	1x User Button
Status LEDs	1x Video Status LED for HDMI input signal status 1x System Status LED for system status
Power	USB-C (5V / 2A)
Dimensions	70 x 22 x 12 mm

5 Package Contents

- Radxa Linkr
- Quick Start Guide
- USB-A to USB-C cable
- USB-C to USB-C cable
- USB-C power/data splitter cable
- USB-C to RJ45 cable
- Retail box

6 Dimensions

Unit: mm



7 Availability

Radxa guarantees availability of this product until at least July 2031. However, component shortages or end-of-life (EOL) announcements from third-party suppliers may affect actual delivery timelines. Please contact Radxa for the latest updates.

8 Support

For support, please refer to the [Radxa Documentation Center](#) and post questions to the [Radxa Forum](#).