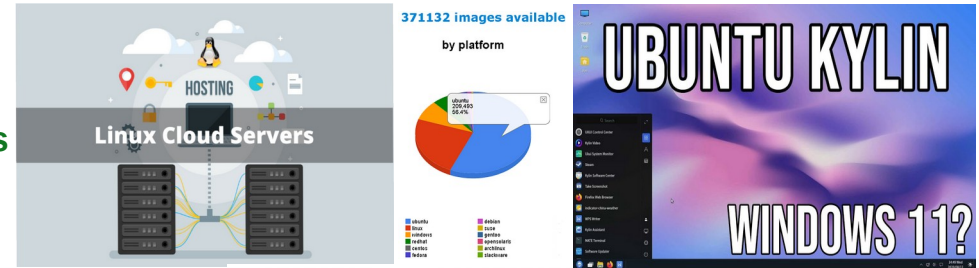


Linux Computer Phones & Platforms

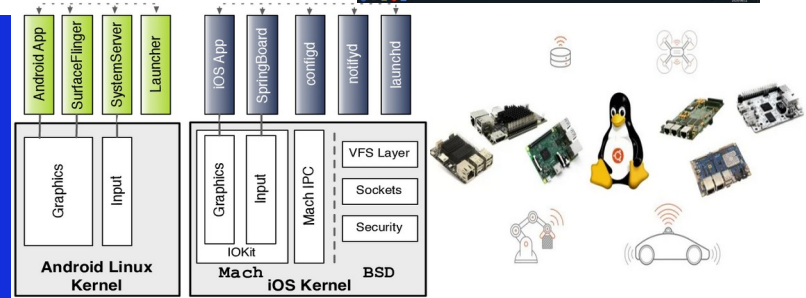
- Smartphones replaced traditional computers and feature phones. Limit Linux based Android/iOS replaced Windows
- Linux dominates mobile/embedded/server/cloud computing with overwhelming pervasive advantages: free/cheap OS/Office/software/cloud, security, performance, low resource usages, ease of use with Kylin/KDE, running mobile apps natively with Waydroid/KMRE, privacy, customization, etc.
- Computer phones will replace today's computers and smartphones as dominant personal computing devices
- Full Linux will dominate all computing domains and replace Windows/MacOS/ChromeOS/iOS/Android



Comparison	
<ul style="list-style-type: none"> Linux Open Source Free Free Software Live CD Distribution Secure NO Low Hardware Cost Customizable add features 	<ul style="list-style-type: none"> Windows Closed Source Cost 150\$-320\$ Cost Software NO Insecure Virus, Malware High Hardware Cost Not Customizable

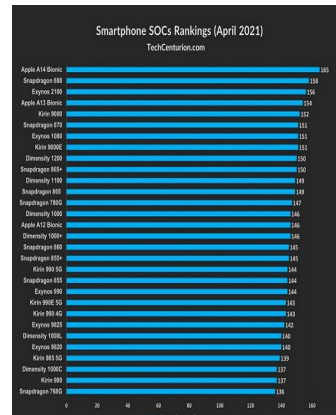
Linux replacements for 17 popular Windows programs

www.RicksDailyTips.com



Linux Computer Phone Advantages

- Today's high end smartphones have the **power of computers** several years ago. High end Arm64/x64 tablet PCs run desktop OS/software well
- **86+%** global smartphone penetration and **63%** mobile device market share with **92+%** mobile Internet usage
- **Richest mobile/desktop/web apps** with porting existing and building new ones over time and **pervasive Internet**
- **Mobile mass marketing** eliminates technical/political illiteracy and fix tough world problems very cost effectively and efficiently

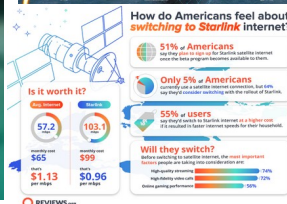
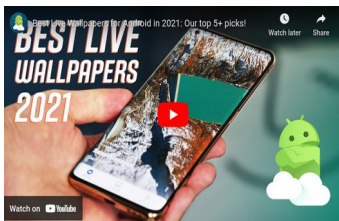
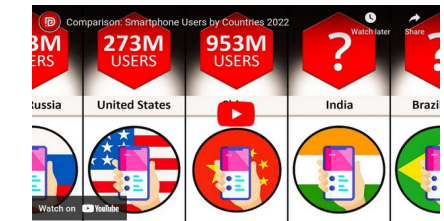


How Many People Have Smartphones In The World?

6.92 Billion smartphone users in the world today

86.29% of people have smartphones today

PUBLIC AWARENESS



Advantages of Mobile Marketing

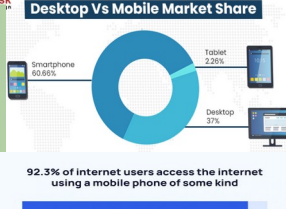
Mobile Marketing

Mobile marketing is a multi-channel, digital marketing strategy aimed at reaching a target audience on their smartphones, tablets, and/or other mobile devices, via websites, email, SMS and MMS, social media, and apps.

Advantages of Mobile Marketing

- Mobile Marketing Reaches A Broader Market
- Instantaneous results
- Easy to work with
- Convenient to use
- Tracking response
- Huge viral potential
- Mass communication made easy
- Micro-blogging benefits
- Mobile payment

Source: <https://www.thebrandagency.com>

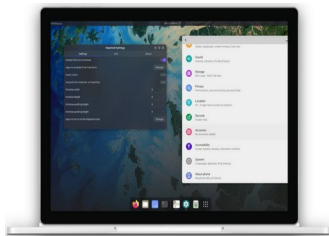


Advantages Of Mobile Advertising

- Ease of access for the target audience
- Reached a large and varied group of people
- Lower cost of advertising

Linux Computer Phone Advantages

- **Ubuntu/Linux have the desktop/tablet/phone and VR/AR convergence modes**
- **Ubuntu/Linux run both mobile and desktop apps natively**
- **Mobile apps can be ported easily with tools like Qt/Felgo over time**



Waydroid-Linux

Latest Beta 01.30.2023

We have started creating a few fully-integrated distros in order to demonstrate some of the possibilities that Waydroid can help achieve. Each of the distros we produce will also showcase some of the work from our growing community of contributors. Our initial alpha releases of this integration started with Ubuntu 20.04 (focal) and is now on Ubuntu 22.04 (jammy) as well as Debian 12 (bookworm), and includes many added tools and scripts to help open up what is possible.

Information
Supported CPUs Supported GPUs Sources

麒麟移动引擎主要特点

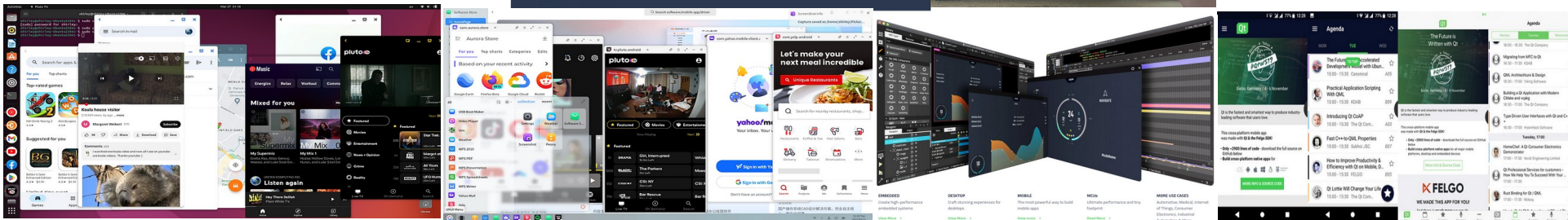
支持海量App 秒启动	直接使用硬件 无性能损失	安卓与Linux 窗口显示融合	
统一输入法 统一音频设备 统一输入设备 摄像头视频通话	文件互通 剪贴板互通 消息通知互通 打开方式互通	App管理统一 一键叠放工具 鼠标滚轮功能 截图分享 linux桌面共享	App同时运行 App全屏切换 推屏开切透 linux桌面共享



麒麟卓操作系统

麒麟操作系统是统一架构国产操作系统的重要组成部分，安全稳定，性能卓越，是国产自主可控的操作系统。麒麟操作系统支持多种终端设备，包括PC、服务器、手机、平板、电视、车载等。麒麟操作系统支持多种应用生态，包括Android、Linux、鸿蒙等。麒麟操作系统支持多种开发工具，包括Qt、Felgo等。麒麟操作系统支持多种部署方式，包括云部署、本地部署等。麒麟操作系统支持多种集成方案，包括硬件集成、软件集成等。麒麟操作系统支持多种定制方案，包括行业定制、企业定制等。麒麟操作系统支持多种服务模式，包括订阅服务、按量付费等。麒麟操作系统支持多种商业模式，包括广告模式、会员模式等。麒麟操作系统支持多种营销手段，包括线上营销、线下营销等。麒麟操作系统支持多种合作伙伴，包括硬件厂商、软件厂商、服务提供商等。麒麟操作系统支持多种生态建设，包括开发者生态、用户生态、合作伙伴生态等。麒麟操作系统支持多种未来规划，包括技术创新、生态建设、市场拓展等。

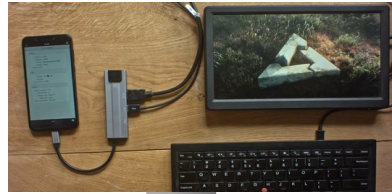
- 网络生态融合
- PC/平板双模式
- 触控手势操作
- 多任务管理
- 全屏阅读
- 智慧应用



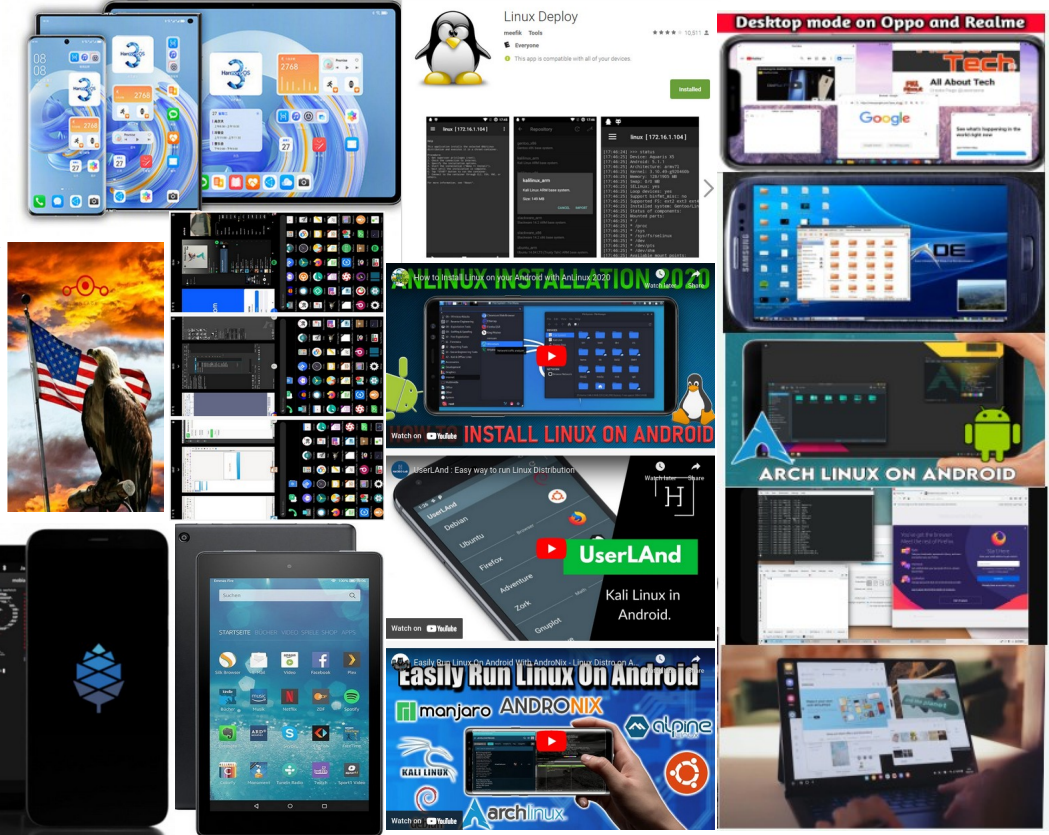
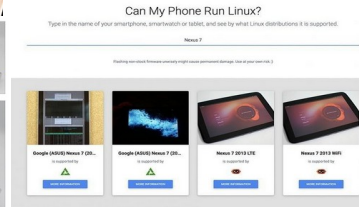
Linux Computer Phone Use Cases

Competitive OS solutions

1. DeGoogled LineageOS/Android devices for security and freedom, and **Linux Phones** for more productivity
2. Linux on deGoogled LineageOS/Android apps like LinuxDeploy, UserLand, AnLinux, Andronix to run desktop Linux through vnc viewer for limited productivity



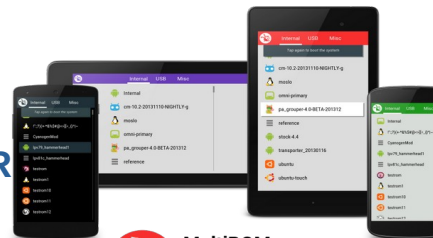
Go deGoogled, not with the Google's Android



Linux Computer Phone Use Cases

Competitive OS solutions

3. Dual/multi boot Ubuntu/full Linux with full device accesses and deGoogled LineageOS
4. Linux mini PC + deGoogled phones/tablets/AR/VR glasses as I/O devices + wired or wireless I/O communication

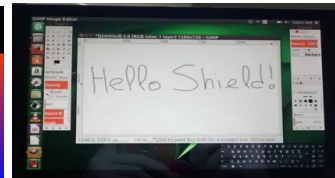
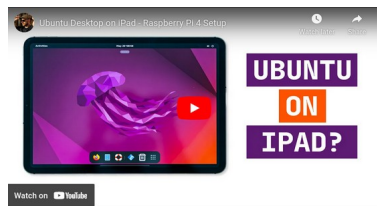
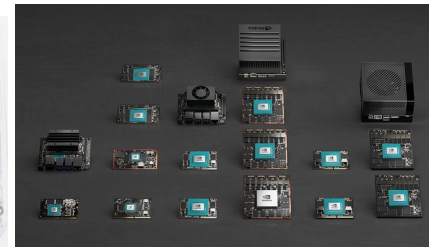


Documentation			Samples		
Graphics	Multimedia	Artificial Intelligence	Computer Vision	Developer tools	
OpenGL	GStreamer	TensorRT	VisionWorks	Tegra system profiler	
OpenGL ES	V4L2 Library	cuDNN	OpenCV	Tegra graphics debugger	
EGL	Media encode		Vision Programming Interface (VPI)	Perfkit	
Vulkan	Media decode				
Camera: LibArgus	Display: NVDC-DRM x11 Weston	CUDA Toolkit			
		Host (cross compile)	Jetson		
NVIDIA user space drivers					
Sources	Sample Root Filesystem	Toolchain	Flashing scripts and support tools		
Linux Kernel		Bootloader			

MultiROM
The multiboot modification for Android devices



Nintendo Switch running the latest Ubuntu LTS 20.04!



ANDROID RASPBERRY PI DISPLAY OVER USB

Sometimes you really want to play with a Raspberry Pi, but don't have a display, keyboard, or mouse handy, and the wifi isn't configured correctly to just be able to SSH in. Invariably you spend an hour digging around for a keyboard or refreshing a wireless clients list, but this doesn't have to be the case. After a quick one-time setup, everything you need to use a Raspberry Pi will already be in your pocket.



The Idea

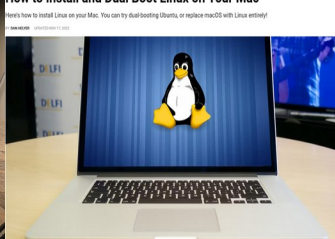
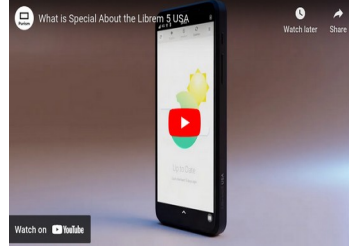
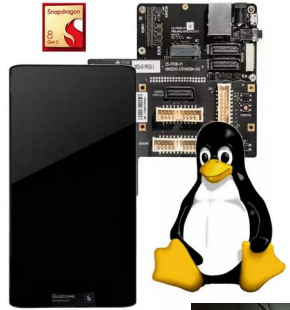
Once configured, if you have an Android phone with USB tethering and a cable, you should be well-equipped to use your Pi. Bonus points if you have a bluetooth mouse and keyboard. We'll be setting up a



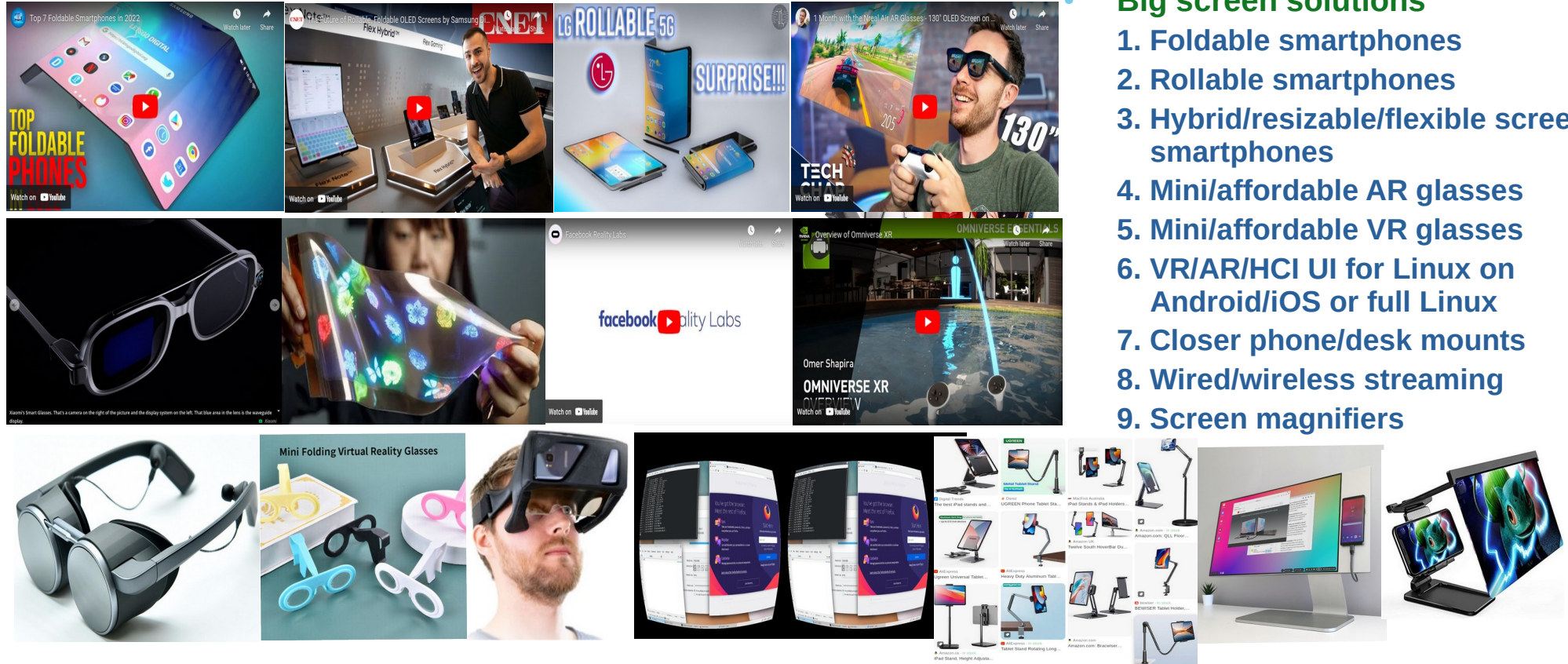
Linux Computer Phone & Platform Use Cases

Competitive OS solutions

- 5. Building full Linux phone/tablet and desktop 3/2-in-1 AMD/Qualcomm or other mobile devices or porting I/O/other drivers of powerful mobile devices to full Linux
- 6. Replacing other OS products and devices with Linux ones
- 7. Linux certified computers, workstations, and servers



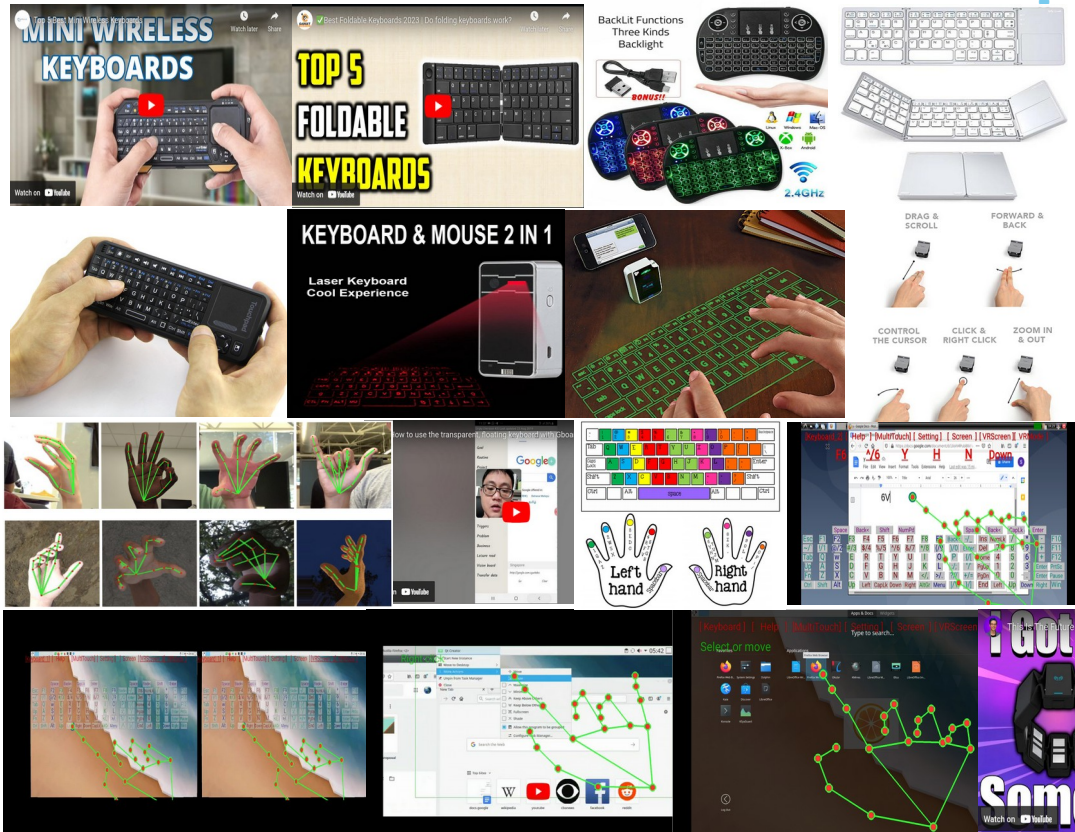
Linux Computer Phone Big Screen Solutions



Big screen solutions

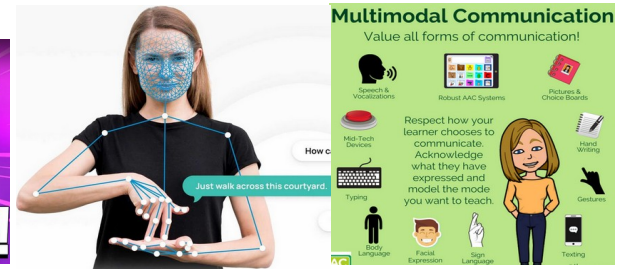
1. Foldable smartphones
2. Rollable smartphones
3. Hybrid/resizable/flexible screen smartphones
4. Mini/affordable AR glasses
5. Mini/affordable VR glasses
6. VR/AR/HCI UI for Linux on Android/iOS or full Linux
7. Closer phone/desk mounts
8. Wired/wireless streaming
9. Screen magnifiers

Linux Computer Phone Free Input Solutions



Free input solutions

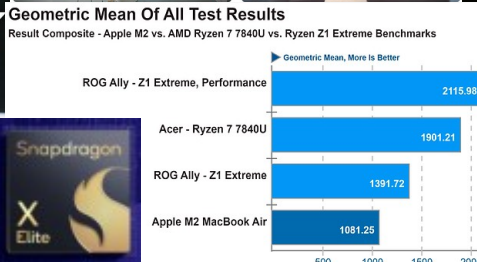
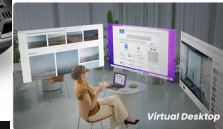
1. Mini wireless keyboards with touchpads
2. Foldable wireless keyboards with touchpads
3. Mini virtual keyboard/multi-touch projectors
4. Wired keyboards/mouse
5. AI hand/head/body tracking
6. Virtual keyboards, multi-touch, and 3D inputs integrated in Linux VNC Client, and Linux UIs
7. Sign language based inputs
8. VR gesture control wearables
9. Floating transparent virtual keyboards
10. Multi-modal communication



Linux Computer Phone & Platform Use Cases

Linux All-in-one Products

1. People are much less productive with small screen devices and stuck with multiple big bulky expensive PCs and mobile devices for work & play
2. Phone/tablet/PC/gaming/AR/VR Linux all-in-one device and accessories
3. Ubuntu/Linux phone/tablet/PC convergence and universal apps, Waydroid/KMRE Android apps, virtual desktop, and VR/AR modes are all more or less included
4. Optional accessories are mini wifi6 mobile router, mini/foldable/virtual versatile keyboard, mini camera, Tablift or single arm holder, foldable solar charger or power bank for laptop, etc.

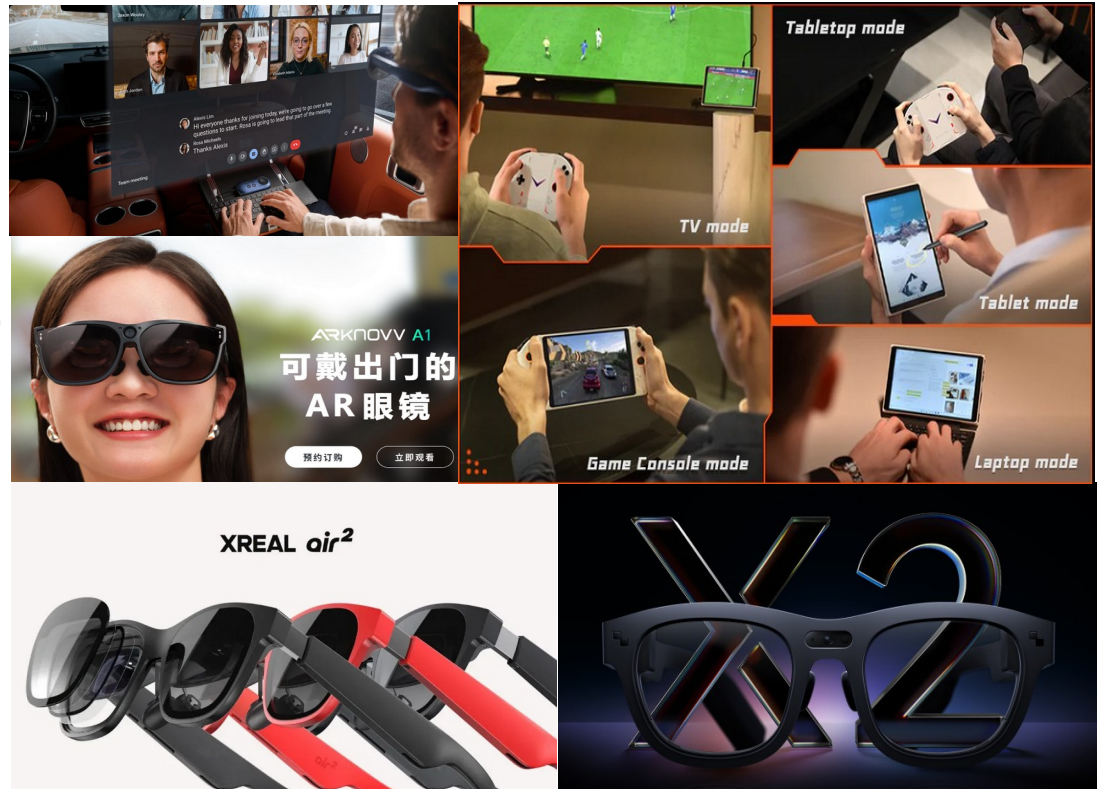


Linux Computer Phone & Platform Use Cases

Linux All-in-one Innovations

1. Future devices' multi-touch/AR/VR displays, keyboard/touchpad/gaming/virtual inputs, mobile computers, and accessories are all detachable, super powerful, and ultra-portable. Detachability makes phones/tablets/monitors and inputs very lightweight or ultra-portable and computers/game consoles super powerful. Accessories such as AR/VR glasses, phone/tablet holders, and solar chargers enable us to work & play in all body poses, all places, and all times. Multi-touch display may be rollable

2. AR/VR glasses may couple with neck mount to offload weights/batteries for long time uses. Hand tracking and sign language like virtual inputs along with AR/VR glasses and new OS UI can maximize our intuitive interactive immersive computing and gaming experiences



Linux Computer Phones & Platforms

Alternatives for Microsoft, Apple, and Google products

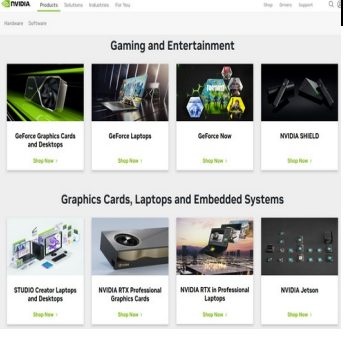
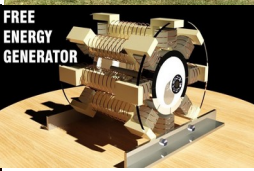
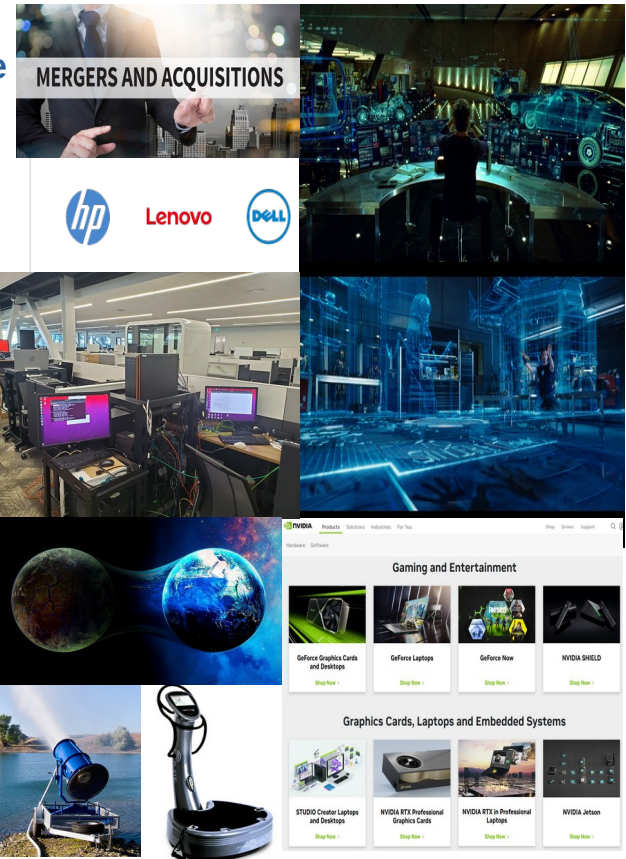
1. Linux devices to replace Microsoft, Apple, and Google devices
2. Microsoft Windows/Office/software alternatives
3. Google ChromeOS/Android alternatives
4. Linux/Degoogle LineageOS games
5. Leverage innovation ownership, tech/political dominance, laws/truths, and moderated public votes to execute other projects/plans and regulate others efficiently



Pervasive Linux & New Earth Technologies

Linux & New Earth Computing and Technologies

1. Linux mobile/desktop/server/embedded devices, Ubuntu acquisition, and the dominant OS business for all domains. Front end: phones, tablets, laptops, VR/AR/wearables, embedded/IoT, smart home, automotive, wireless, etc. Back end: 1) Hardware - desktops, workstations, servers, and clouds 2) Software – Social, AI, data science/center, cloud computing, HPC, design/simulation, robotic/edge computing, smart sustainable cities, etc.
2. Innovations: 1) Linux computer phones and platforms 2) Computing and social platform based campaigns to reduce money/population/power inequalities, empower the people and build a better world 3) Mobile self-sustainable smart communities and campaigns 4) Better survival and living experiences 5) Earth 2.0+ soft and hard bodies



Mobile & Personal Computing Dominance

- Linux innovations/competitions to replace Microsoft, Apple, and Google products and mass awareness/marketing campaigns

1. Lead smartphone and computer chip/hardware vendors
2. Our smartphone and computer vendors follow our leadership and make public announcements now to abandon relevant Microsoft, Apple, and Google products, and regulate greedy others
3. Our hardware vendors shall also mass market our Linux/other innovations and participate in our mass awareness campaigns for common good directly on their devices to win most cost effectively and efficiently
4. Smartphone vendors can upgrade/sell their mobile devices with deGoogled Android/LineageOS before full Ubuntu/Linux mobile devices are sold
5. Computer vendors can replace Microsoft/Apple products with or sell new Ubuntu/Linux + DeGoogled Waydroid ones
6. Ubuntu will be acquired soon. Hardware/chip vendors may use our Linux distros for now. We can always switch to our own OS/products later
7. Politics depends on economics or innovation. Our technical dominance leads to political dominance with our clean competitive democratic conservative leadership, which protects/empowers our business and tech alliance

- Americans co-led other key projects/plans to build New Earth: debt free, reducing money/population/power inequalities, mobile self-sustainable smart living, Earth 2.0+ soft & hard bodies, etc.

