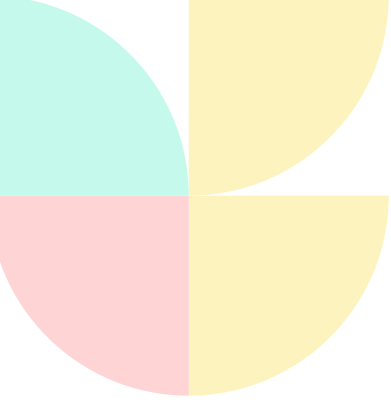




UFRJ

# manjaro





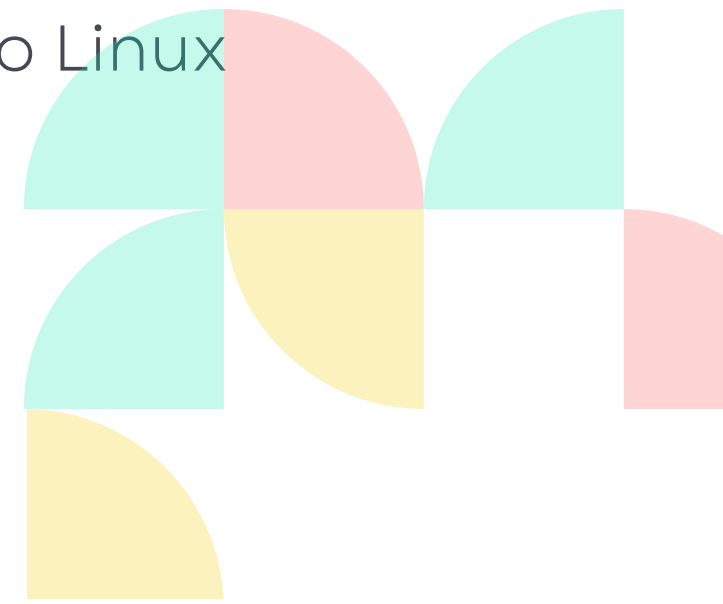
# SOBRE O MANJARO

Manjaro é uma distribuição GNU/Linux amigável ao usuário baseada no Arch Linux desenvolvido de forma independente.

Fundadores: Philip Müller, Bernhard Landauer e Stefano Capitani

Em 2019, deixou de ser apenas uma distribuição Linux como "hobby" e se tornou uma empresa

Última versão utiliza Kernel Linux 5.13



# Pra que?

O Arch é uma distribuição desenvolvida com o objetivo de ser o mais simples possível, e customizável.

Entretanto, quem tenta pela primeira vez instalar o Arch , é confrontado com a complexidade do processo de instalação.

**User  
Friendly**

**Facilidade**



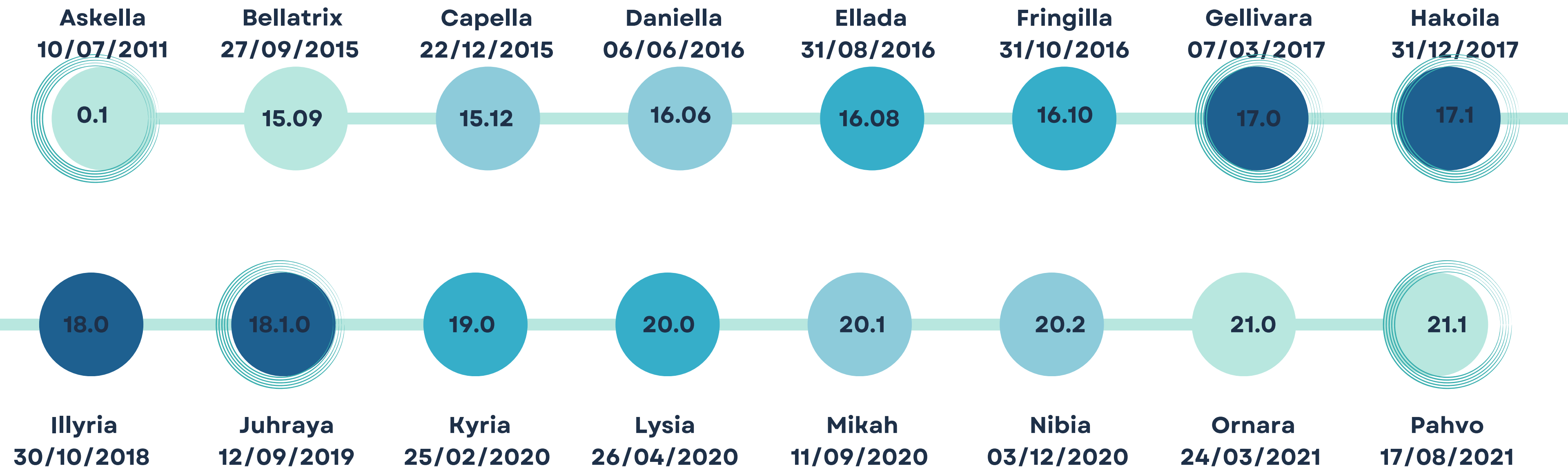
# Pra quem?

O Manjaro Linux é uma distribuição que facilita a “entrada” dos utilizadores no mundo do Arch Linux.

É recomendado para usuáiros intermediários de computadores por não precisar de conhecimento profundo do uso de linux, mas é desejável que tenha alguma familiaridade com computadores.



# História

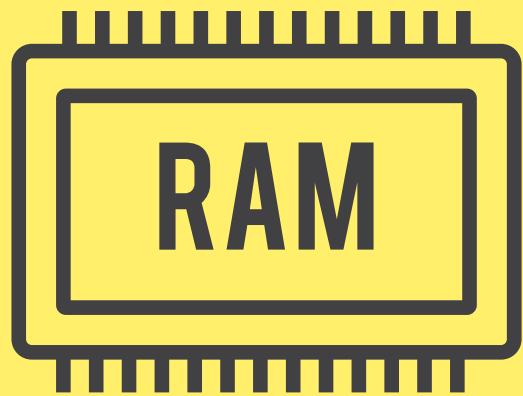




# JARO

**Mascote desde 2021**

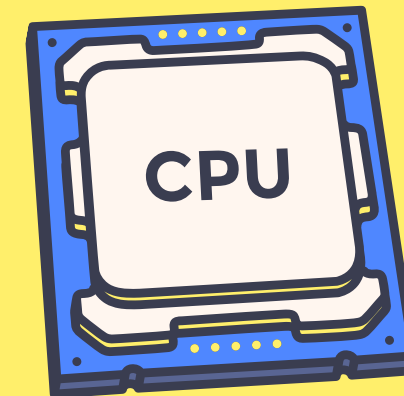
# Configurações Mínimas Necessárias



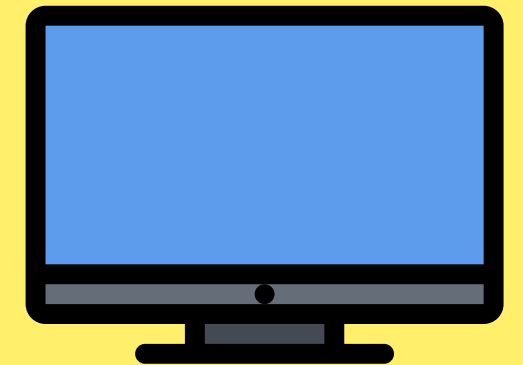
2 GB de RAM  
Intel Atom



30 GB de  
espaço em  
Hard Drive



Processador  
de 1 Ghz



Monitor e placa  
de vídeo High  
Definition

# Instalação



≈ 20 Minutos



ISO. 2.4 GB



USB Stick 4 GB

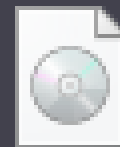


≈ 20 Minutos



manjaro-gnome-21.3.4-220718-linux515.iso

Concluído — 3,3 GB



manjaro-kde-21.3.4-220718-linux515.iso

Concluído — 3,3 GB



manjaro-xfce-21.0-210318-linux510.iso

Concluído — 2,4 GB





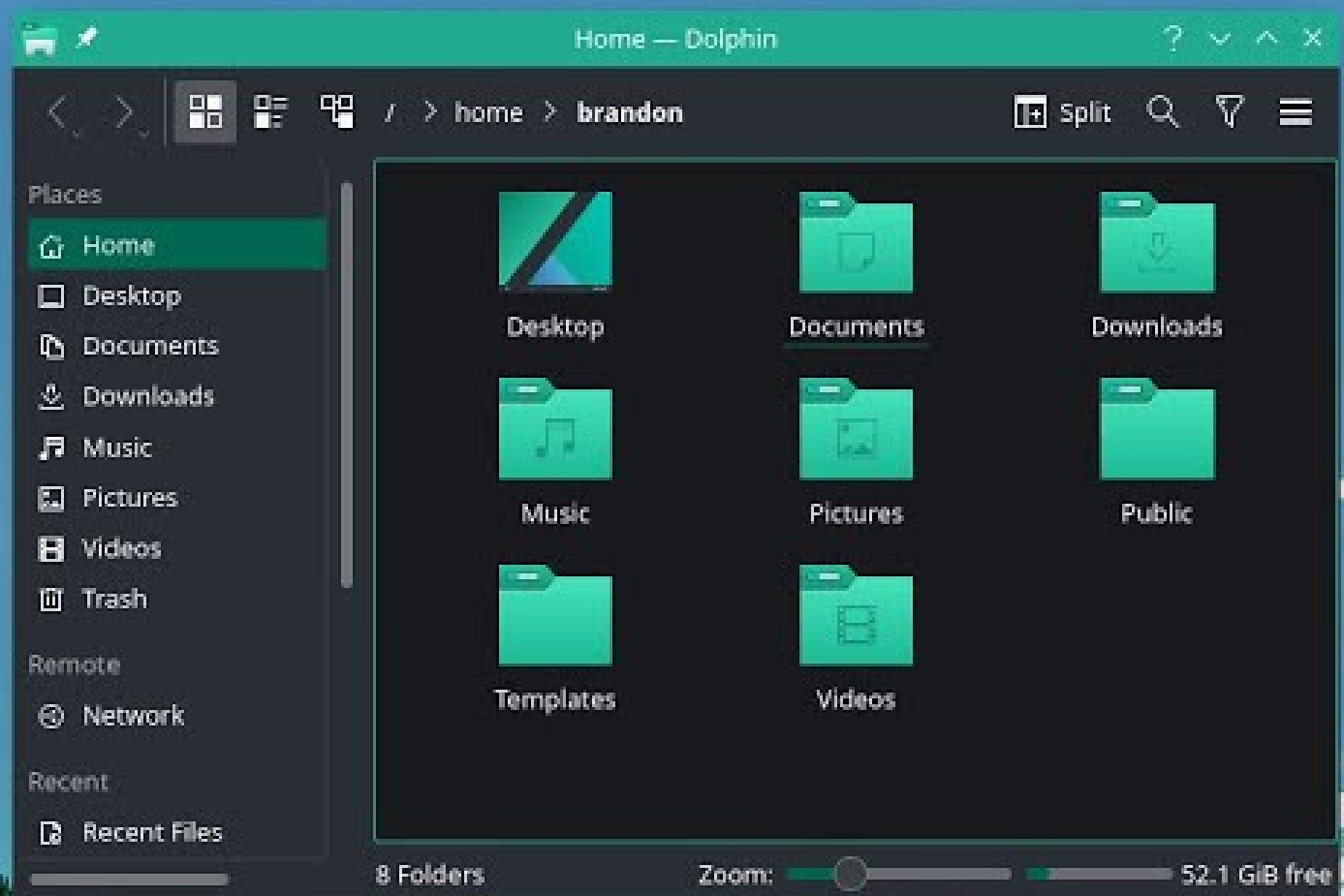
🔍 Digite para pesquisar...



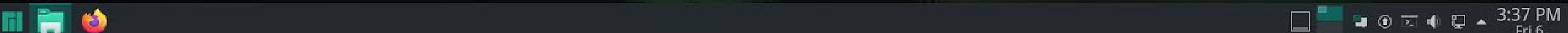
Mostrar aplicativos

• A R C H L I N U X

GNOME sobre XOrg



• P L A S M A





Trash



File System



Home

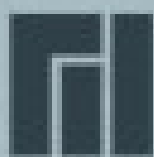


Manjaro U.I.



Install Manjaro

• X F C E



manjaro

manjaro

|

**Terminal Emulator**  
Use the command line

**File Manager**  
Browse the file system

**Web Browser**  
Browse the web

**Mail Reader**  
Read your email

**Favorites**

Recently Used

All Applications

Accessories

Graphics

Internet

Multimedia

Office

Settings

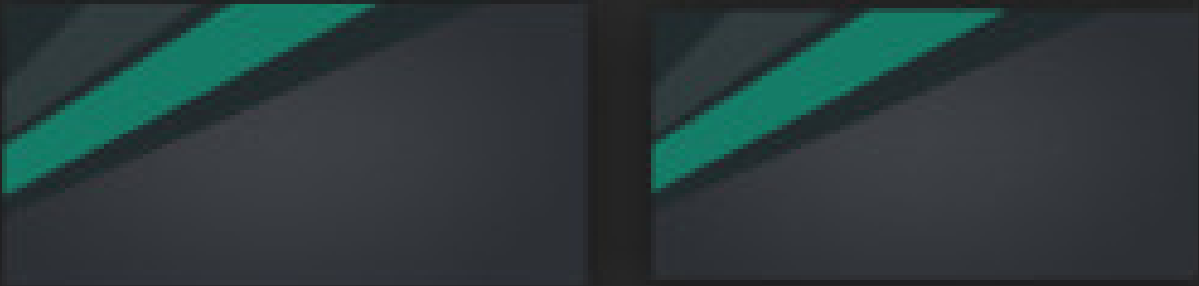
System



Tue 3 May, 11:51



🔍 Type to search



# • G N O M E



Weather



Advanced Netw...



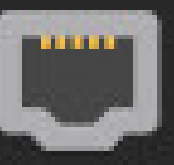
Videos



Archive Manager



Calculator



Awahi SSH Serve...



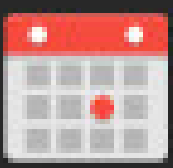
Awahi VNC Serv...



Awahi Zeroconf ...



Settings



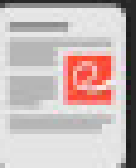
Calendar



System Monitor



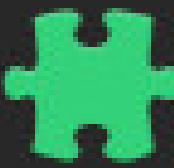
Disks



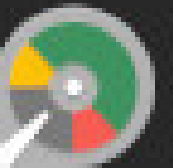
Document View...



Dynamic Wallpa...



Extensions



GParted



Help



OSmartControl



Screenshot



gThumb



Hoop



Layouts



Logs



Lollypop



### StarLite

**Processor** Intel Pentium Silver™ N5030 up to 3.1GHz quad-core processing

**Screen** 11inch matte display, 1920x1080 resolution 178° viewing angle

**Memory** 2400MHz 8GB RAM

**Storage** 960GB SSD

**Ports** 1xUSB-C, 2xUSB-A, 1xHeadphone Jack, 1x Micro HDMI, 1x DC Jack 3.5mm

**Graphics** Radeon™ RX Vega 10 Graphics 1400 MHz

Type II Anodized Aluminum Chassis, Fanless 0db design, Up to 8 hrs battery life, Over-sized Glass Track-pad, Micro SD, Open-source coreboot+EDKII or Closed-source American Megatrends+EDKII, coreboot configuration software, Firmware updates using LVFS (Linux Vendor Firmware Service), Backlit Keyboard, Glass Trackpad Smooth, precise tracking and gestures, Quad Speakers, Stereo Sound for clear audio, Function Lock

Where to buy



### StarBook

**Processor** Intel® Core® 11 th generation processors or Ryzen™ 7 processor up to 4.7GHz

**Screen** 14-inch ARC IPS Display, 1920x1080 resolution 178° viewing angle 14" visible display

**Memory** Up to 64 GB 3200MHz memory

**Storage** Up to 1GB 7 GB/s SSD read speeds

**Ports** 1xUSB-C, 2xUSB-A, 1xCombo Jack, 1x Micro HDMI, 1x DC Jack 3.5mm

**Graphics**

Up to 11 hrs battery life, Micro SD, Open-source coreboot+EDKII or Closed-source American Megatrends+EDKII, coreboot configuration software, Firmware updates using LVFS (Linux Vendor Firmware Service), Backlit Keyboard, Glass Trackpad Smooth, precise tracking and gestures, Quad Speakers, Stereo Sound for clear audio, Function Lock

Where to buy



### DeskMini UM700

**Processor** AMD Ryzen™ 7 3750H , 4 Cores 8 Threads (Total L2 Cache 2MB , Total L3 Cache 4MB , Base Clock 2.3 G

**Screen** None

**Memory** 2×DDR4 2400MHz Dual channel SODIMM Slots up to 64GB

**Storage** M.2 2280 256GB/512GB PCIe SSD Up to 2TB M.2 2280 NVMe SSD

**Ports** 1xHDMI, 1xDisplayPort , 1xUSB-C, 1x3.5mm Audio Jack, 1xRJ45 2.5 Gigabit Ethernet RJ45 2.5 Gigabit Ethernet Port, 1xUSB3.0, 1xUSB3.1, DC 19V/3.42A

**Graphics** Radeon™ RX Vega 10 Graphics 1400 MHz

UM700 Mini PC brings you ultra-realistic 4K UHD visuals with incredible clarity and maximum productivity in your workflow with excellent triple display solutions

Where to buy





### Pinebook Pro

**Processor** Hexa-Core Rockchip RK3399, 4 x ARM Cortex A53 cores @ 1.4GHz + 2 x ARM Cortex A72 cores @ 1.8

**Screen** 1080p IPS panel 14 inch LCD panel

**Memory** 4GB LPDDR4 RAM

**Storage** M.2 NVMe

**Ports** 1x USB-C 1x USB 2.0 1xUSB 3.0 1x Headphone Jack

**Graphics** Mali T860 MP4 GPU

Magnesium alloy shell, Built-in 802.11ac WiFi with Bluetooth 5.0, bootable microSD, 64GB eMMC, unpopulated PCIe m.2 NVMe, Lithium Polymer Battery 10000mAh, Microphone, Front-Facing Camera 1080p, ISO & ANSI Keyboard Variants, Privacy Switches.

Where to buy



### Pinephone

**Processor** Quad-Core Allwinner A64 @ 1.152 GHz 4x ARM Cortex A53 cores

**Screen** 5.95" LCD 1440x720, 18:9 aspect ratio with hardened glass

**Memory** 2GB or 3GB LPDDR3 RAM

**Storage** 16GB or 32GB eMMC

**Ports** USB Type C with support for power, data and video output, headphone jack

**Graphics** ARM Mali 400 MP2 GPU

Quectel EG25-G with worldwide bands, Built-in 802.11 b/g/n WiFi with Bluetooth: 4.0, GNSS: GPS, GPS-A, GLONASS, Vibration motor, RGB status LED, Selfie and Main camera 2.5Mpx Single OV5640, 5MP, 1/4", LED Flash. Convergence package optional with USB-C Docking Bar – 2x USB Type-A host ports, digital video port, and 10/100Mbps Ethernet port.

Where to buy



### Pinephone Pro Explorer Edition

**Processor** Chipset: Rockchip RK3399S CPU: 64-bit 6-core 4x ARM Cortex A53 + 2x ARM Cortex A72

**Screen** in-cell IPS capacitive touchscreen, Gorilla Glass 4™, 16M colors Size: 6 inches Resolution: 1440x720

**Memory** 4GB LPDDR4

**Storage** Internal Flash Memory: 128GB eMMC

**Ports** USB: USB3.0 type C 15W – 5V 3A Quick Charge, follows USB PD specification, USB Host, DisplayPort, headphone jack

**Graphics** GPU: Mali T860MP4

Expansion: Micro SD Card (supports SDHC and SDXC, up to 2TB, Main Camera: Single 13MP, Sony IMX258, LED Flash, Selfie Camera: Single 8MP, OmniVision OV8858, Loudspeaker: Yes, Removable Li-Po 3000 mAh battery, Sensors: Accelerometer, Gyro, Proximity, Ambient Light, Magnetometer/compass Actuator: Vibration Motor, Privacy Switches: LTE (includes GPS), Wifi/BT, Microphone, Camera, Headphone Jack (UART), Wi-Fi 802.11AC, hotspot capable, Bluetooth: 5.0, GPS with A-GPS, GLONASS, Worldwide Global LTE bands

Where to buy

# Diferenças

PLASMA/KDE

**Interface  
integrada, amigável e  
flexível.**

XFCE

**confiável e rápido,  
alta  
configurabilidade.**

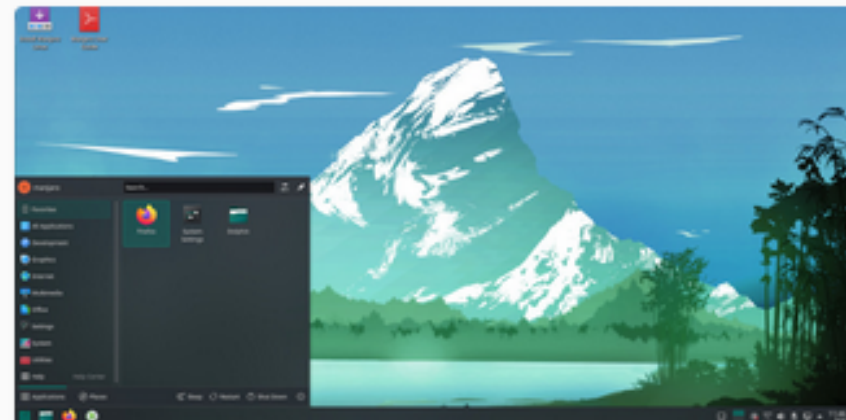
GNOME

**moderno e simples,  
objetivo**



### Gnome Desktop

Gnome is a modern desktop environment, the layout is different from other options but easy and intuitive to learn, it will give your computer a fresh start.



### Plasma Desktop

Plasma desktop environment favors KDE/QT technologies and from all desktops it offers the most complete configurations and options inside a UI. The UI resembles Windows layout, if you know Windows inside out and are not overwhelmed with the amount of options available to you then this maybe the one for you.

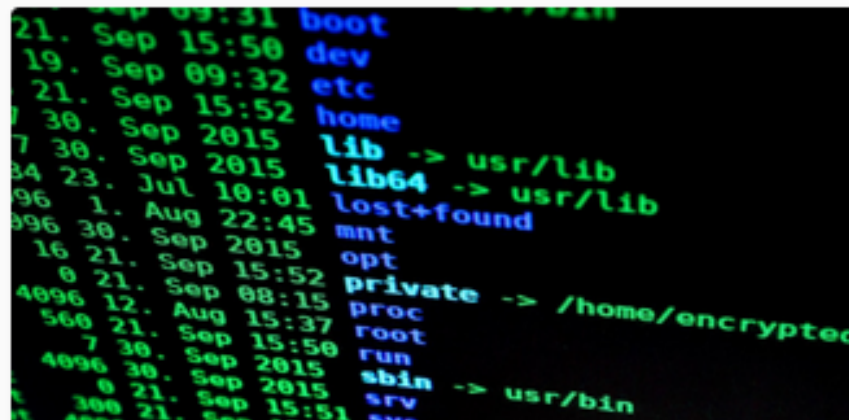


### Mate Desktop

The MATE desktop environment is a derivative of the now deprecated GNOME 2. It provides an intuitive desktop using traditional metaphors.



• M A N J A R O  
A R M T E A M



### Minimal

Minimal does not have a desktop environment and is suitable for advanced users that would like to build their own setups from the ground up.



### Sway

Sway is a tiling Wayland compositor and a drop-in replacement for the i3 window manager. It works with your existing i3 configuration and supports most of i3's features, plus a few extras. Sway is not a complete desktop environment, it favors advanced users that prefer to interact with their computer via their keyboard.



### Xfce Desktop

Xfce is a lightweight desktop environment. It aims to be fast and low on system resources, while being rock solid. The UI layout resembles Windows OS, if you've never tried Manjaro or Linux before, this is a great starting point.





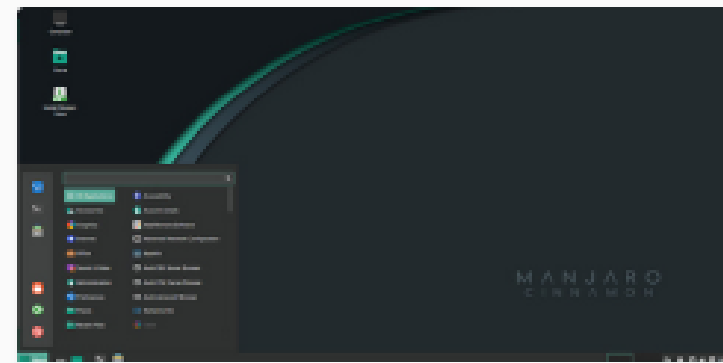


### Budgie Desktop

Budgie is a desktop environment made from scratch that currently uses GNOME technologies and is developed by contributors from numerous communities.



Download provided by  **CDN77**



### Cinnamon Desktop

Cinnamon is a desktop environment that derives from GNOME 3 but follows traditional desktop conventions, the UI layout resembles Windows OS.



Download provided by  **CDN77**



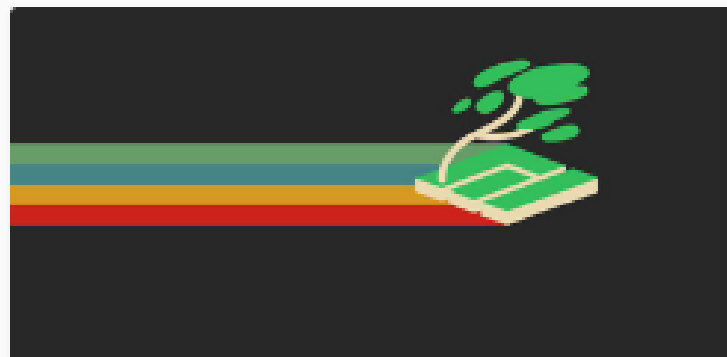
### i3

i3 is a tiling window manager, and not a complete desktop environment, i3 favors advanced users that prefer to interact with their computer via their keyboard.



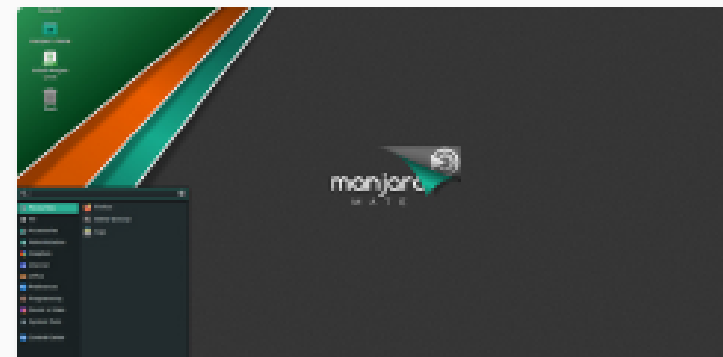
Download provided by  **CDN77**

## • C O M M U N I T Y



### Sway

Sway is a tiling Wayland compositor and a drop-in replacement for the i3 window manager. It works with your existing i3 configuration and supports most of i3's features, plus a few extras. Sway is not a complete desktop environment, it favors advanced users that prefer to interact with their computer via their keyboard.

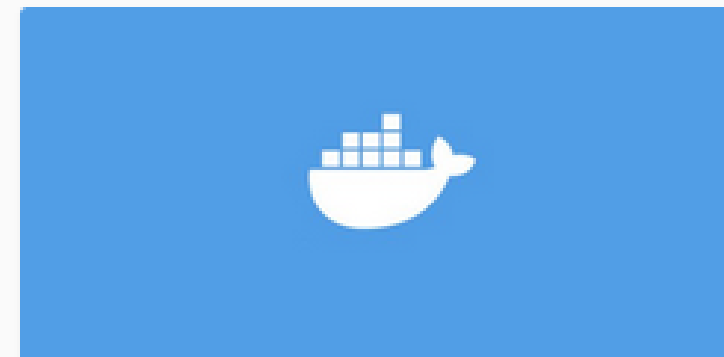


### Mate Desktop

The MATE desktop environment is a derivative of the now deprecated GNOME 2. It provides an intuitive desktop using traditional metaphors.



Download provided by  **CDN77**



### Manjaro Docker

Manjaro as a docker image, this provides an image that you can use as a base for your Manjaro Docker projects.



# Comparação



**Repositórios independentes  
pacotes mais estáveis**

**Gerencia software updates  
em linhas de comando  
(PACMAN)**

**Pamac Nativo**

**Pré setado**

**Detecção de hardware (MHWD)**

**Lançamento contínuo**

**Menos Seguro\***



**EndeavourOS**



**Mais atual**

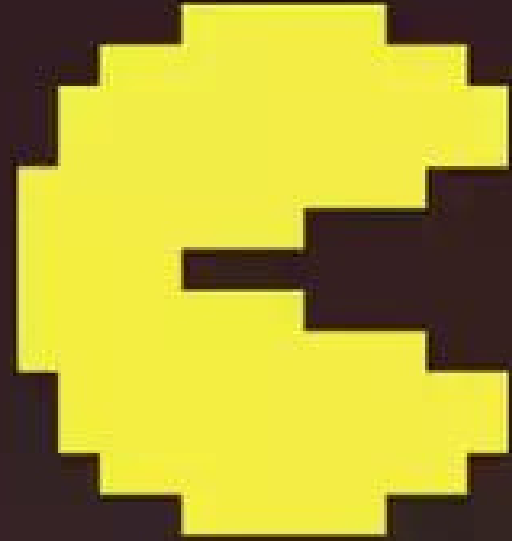
**Gerencia software updates  
em linhas de comando  
(PACMAN)**

**Pamac Adicionável**

**Flexibilidade**

**Lançamento contínuo**

**Mais Seguro\***



---

K E E P   I T   S I M P L E

# Daemon Padrões

Um daemon é um programa que roda em "background" como um processo (sem terminal ou interface), que comumente espera por eventos para oferecer serviços.

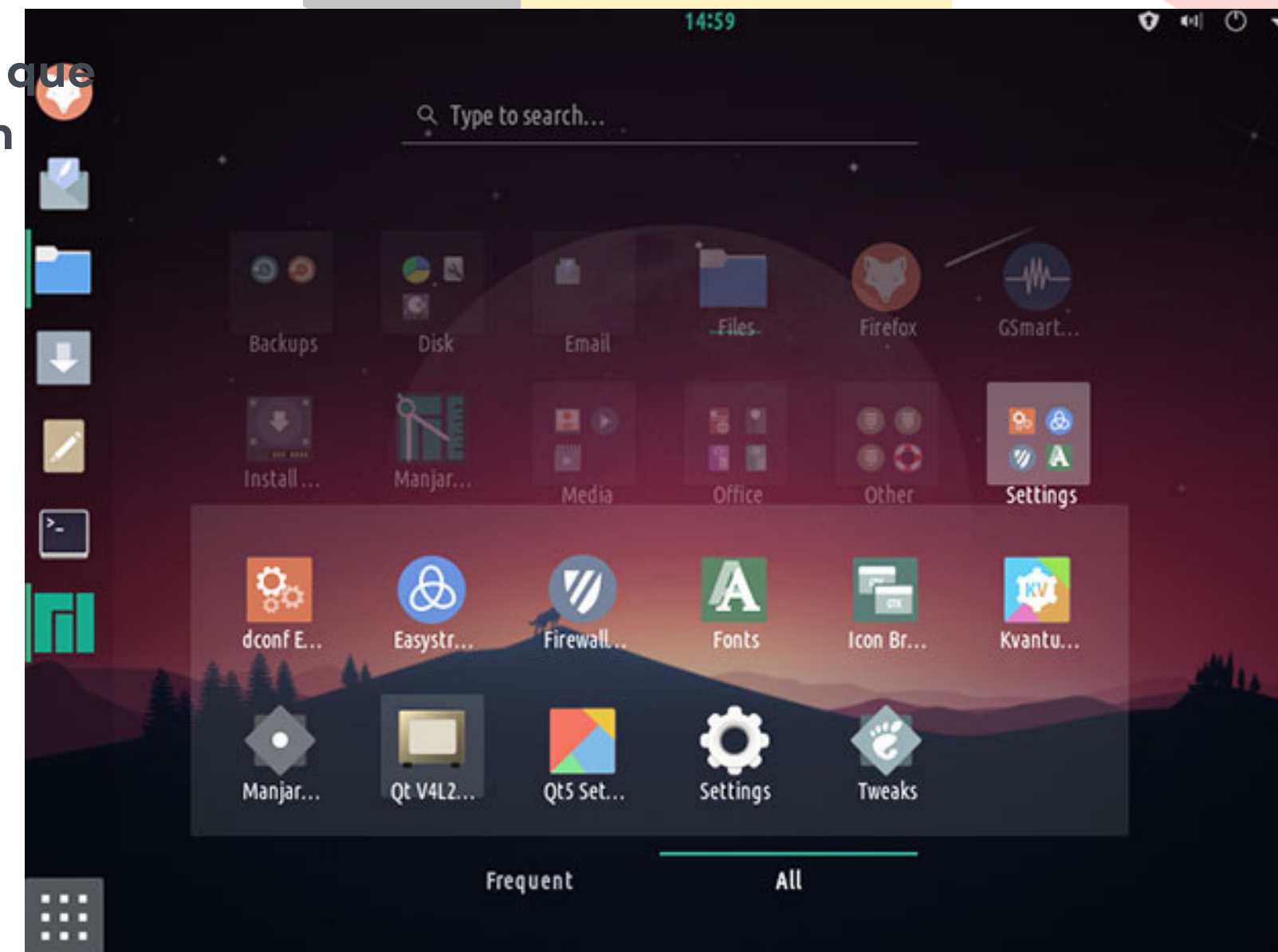
No Arch Linux, daemons são gerenciados pelo **systemd**. O **systemctl** é o comando usado como interface para gerenciá-los. Ele lê arquivos na estrutura **nome\_do\_serviço.service** que contém informação sobre como e quando iniciar o daemon a eles associados. Os arquivos de serviço são armazenados em **/etc,usr/lib,run}/systemd/system**



# Spin Offs

Descrição genérica para versões do Manjaro que não foram construídas pelo ManjaroTeam

- enlightenment
- manjarowish
- mgame
- tromjaro
- webdad
- webdev





🔍 Type to search...

Backups

Disk

Email

Files

Firefox

GSmart...

Install...

Manjar...

Media

Office

Other

Settings

dconf E...

Easystr...

Firewall...

Fonts

Icon Br...

Kvantu...

Manjar...

Qt V4L2...

Qt5 Set...

Settings

Tweaks

Frequent

All

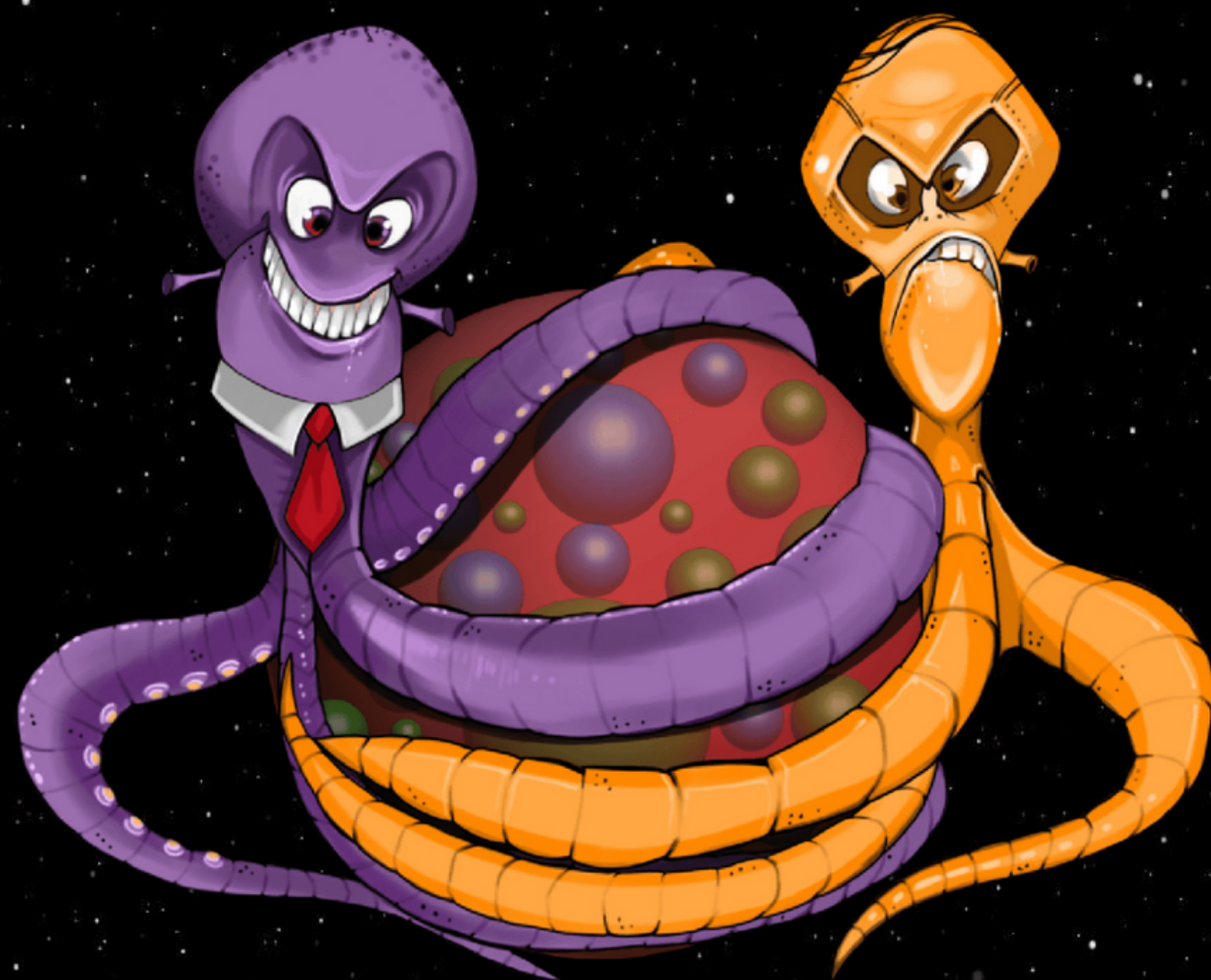
• Trom-Jaro







the origin of most problems

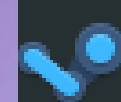


**Ideológico:** Contra o "Jogo de comércio", coleta de dados à invasão de privacidade, das mudanças climáticas causadas pelo homem ao desperdício e assim por diante. Simplesmente joga as pessoas em um jogo do tipo Monopólio onde todos têm que

**Modificou Navegador(Mozilla Firefox) para não coletar dados**

**Remoção de aplicativos baseados em comércio em instalações padrão do Manjaro, como Steam, FreeOffice – e talvez outros pacotes também. apenas mantiveram (mais adicionados) pacotes sem comércio.**

**Têm "perfil de construção", onde pode escolher tema, wallpaper, ícones, etc**



## Steam (Runtime)

Application for managing and playing games on Steam

- **Escritório/educação**



### Dictionary

A client program to query differe...

- **Edição de imagem**



### Gcolor2

Choose colours from palette or s...



### GNU Image Manipulation Pro...

Create images and edit photogra...



### Viewnior

Elegant Image Viewer

- **Mídia**



### Audacious

Listen to music



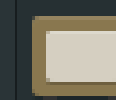
### PulseAudio Volume Control

Adjust the volume level



### Qt V4L2 test Utility

Allow testing Video4Linux devices



### Qt V4L2 video capture utility

Viewer for video capture



### VLC media player

Read, capture, broadcast your m...



### Xfburn

CD and DVD burning application



# Kernel Linux 5.13

Dá suporte para vários chips baseado na arquitetura ARM, incluindo o Apple M1.

- Isso significa que os usuários poderão executar o Linux nativamente no novo em alguns modelos de MacBook.
- suporte para o módulo de segurança Landlock,
- suporte inicial ao FreeSync HDMI para GPUs AMD.
- suporte inicial para a série de GPUs AMD Radeon “Aldebaran”
- suporte aprimorado para o sistema de arquivos exFAT,
- suporte de driver para GPUs AMD NAVI,
- mais vantagens para o sistema de arquivos EXT4.

Essa versão está oficialmente marcada como End Of Life (EOL)



# Considerações

## Documentação

9

## Segurança

7,5

A documentação é bastante completa, com guias, tutoriais, PDFs oferecidos o site oficial do Distro.

Entretanto, é restrito a Inglês, Francês e Árabe na sua maioria, sendo necessário recorrer a sites não oficiais.

