System Information

> This page was part of the project write-up I mainly did for myself and is kept for reference.

Device

Device Name	Cox
Device Type	Raspberry Pi 500 DE Version



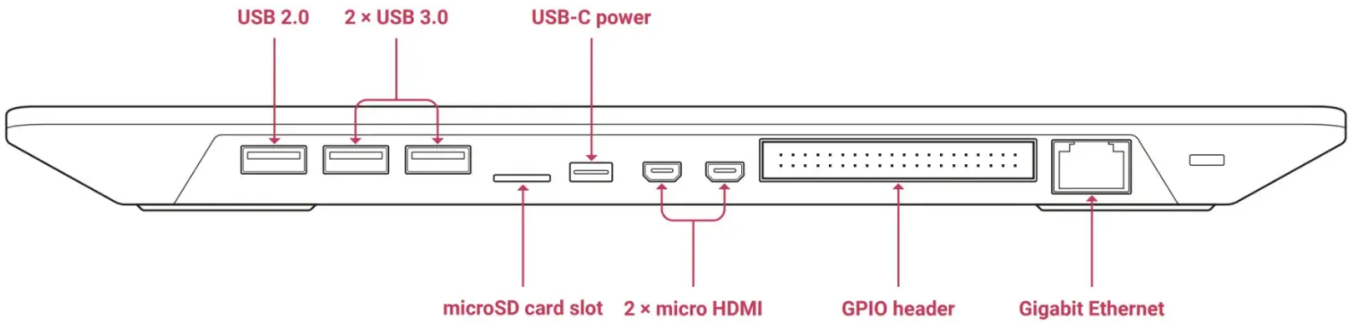
Networking

Address	**Type**
10.20.0.94	Wi-Fi
	Ethernet

Hardware

Name	**Type**	**Notes**

Device	Raspberry Pi 500	Single Circuit Board Computer integrated into a keyboard casing. German language keyboard variant.
Processor	Quad-core 64-bit Arm Cortex-A76	
Memory	8GB	PDDR4X SDRAM
Storage	MicroSD Card: 32GB	Raspberry Pi A2-Class MicroSD Card Pre-programmed with Raspberry Pi OS
Display	Raspberry Pi Monitor 15.6"	
Sound In/Out	Bluetooth Headset	



Software

At the time of first installation/writing

Name	Description	Notes
OS	Raspberry Pi OS - Debian GNU/Linux 13 (trixie)	
Sound	PulseAudio (on PipeWire 1.4.2)	
libsdl2-dev	2.32.4+dfsg-1	
pulseaudio-utils	17.0+dfsg1-2+rpt1	
ffmpeg	version 7.1.3-0+deb13u1+rpt1	

Name	Description	Notes
whisper.cpp	v1.8.2 (2025-10-15)	Port of OpenAI's Whisper model in C/C++ (MIT Licence)
Model	~~ggml-base.bin~~ ggml-tiny.en.bin	
ollama		
Models		
tmux	3.5a-3	
build-essential	12.12	
git	1:2.47.3-0+deb13u1	
cmake	3.31.6-2	
Legcord	1.2.1 stable 499788 (c55be3e)	Build Override: N/A Vencord dc25c8f (Web) Electron 40.1.0 Chromium 144

ffmpeg

ffmpeg

```
ffmpeg version 7.1.3-0+deb13u1+rpt1 Copyright (c) 2000-2025 the FFmpeg developers
built with gcc 14 (Debian 14.2.0-19)

configuration: --prefix=/usr --extra-version=0+deb13u1+rpt1 --toolchain=hardened --
incdir=/usr/include/aarch64-linux-gnu \
--enable-gpl --disable-stripping --disable-libmfx --disable-mmal --disable-omx --enable-
gnutls --enable-libaom \
--enable-libass --enable-libbs2b --enable-libcdio --enable-libcodec2 --enable-libdav1d --
enable-libflite \
--enable-libfontconfig --enable-libfreetype --enable-libfribidi --enable-libglslang --
enable-libgme \
--enable-libgsm --enable-libharfbuzz --enable-libmp3lame --enable-libmysofa --enable-
libopenjpeg \
```

```
--enable-libopenmpt --enable-libopus --enable-librubberband --enable-libshine --enable-
libsnappy --enable-libsoxr \
--enable-libspeex --enable-libtheora --enable-libtwolame --enable-libvidstab --enable-
libvorbis --enable-libvpx \
--enable-libwebp --enable-libx265 --enable-libxml2 --enable-libxvid --enable-libzimg --
enable-openal \
--enable-opencl --enable-opengl --disable-sndio --disable-libvpl --
libdir=/usr/lib/aarch64-linux-gnu \
--arch=arm64 --enable-neon --enable-v4l2-request --enable-libudev --enable-epoxy --enable-
libdc1394 \
--enable-libdrm --enable-libiec61883 --enable-vout-drm --enable-chromaprint --enable-
frei0r --enable-ladspa \
--enable-libbluray --enable-libcaca --enable-libdvdnav --enable-libdvdread --enable-
libjack --enable-libpulse \
--enable-librabbitmq --enable-librist --enable-libsrt --enable-libssh --enable-libsvtav1
--enable-libx264 \
--enable-libzmq --enable-libzvbi --enable-lv2 --enable-sand --enable-sdl2 --enable-
libplacebo --enable-librav1e \
--enable-pocketsphinx --enable-librsvg --enable-libjxl --enable-shared

libavutil      59. 39.100 / 59. 39.100
libavcodec     61. 19.101 / 61. 19.101
libavformat    61.  7.100 / 61.  7.100
libavdevice    61.  3.100 / 61.  3.100
libavfilter    10.  4.100 / 10.  4.100
libswscale      8.  3.100 /  8.  3.100
libswresample   5.  3.100 /  5.  3.100
libpostproc    58.  3.100 / 58.  3.100
```

pactl

pactl

```
Server String: /run/user/1000/pulse/native
Library Protocol Version: 35
Server Protocol Version: 35
Is Local: yes
Client Index: 77
Tile Size: 65472
User Name: mela
Host Name: Cox
Server Name: PulseAudio (on PipeWire 1.4.2)
Server Version: 15.0.0
Default Sample Specification: float32le 2ch 48000Hz
Default Channel Map: front-left,front-right
Default Sink: auto_null
Default Source: auto_null.monitor
Cookie: 56a6:8e1c
```

Pipewire

Pipewire

```
mela@Cox:~ $ systemctl --user status pipewire pipewire-pulse wireplumber --no-pager
● pipewire.service - PipeWire Multimedia Service
     Loaded: loaded (/usr/lib/systemd/user/pipewire.service; enabled; preset: enabled)
     Active: active (running) since Wed 2026-01-07 17:21:03 CET; 3 days ago
 Invocation: d54a55bb3ef54b47b454d6cb42d5e273
TriggeredBy: ● pipewire.socket
   Main PID: 1334 (pipewire)
      Tasks: 3 (limit: 9571)
        CPU: 34ms
     CGroup: /user.slice/user-1000.slice/user@1000.service/session.slice/pipewire.service
             └─1334 /usr/bin/pipewire

Jan 07 17:21:03 Cox systemd[1301]: Started pipewire.service - PipeWire Multimedia Service.
Jan 07 17:21:04 Cox pipewire[1334]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.Servi…nknown
Jan 07 17:21:04 Cox pipewire[1334]: mod.rt: RTKit does not give us MaxRealtimePriority,
using 1
Jan 07 17:21:04 Cox pipewire[1334]: mod.rt: RTKit error:
```

```
org.freedesktop.DBus.Error.Servi…nknown
Jan 07 17:21:04 Cox pipewire[1334]: mod.rt: RTKit does not give us MinNiceLevel, using 0
Jan 07 17:21:04 Cox pipewire[1334]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.Servi…nknown
Jan 07 17:21:04 Cox pipewire[1334]: mod.rt: RTKit does not give us RTTimeUSecMax, using -1

● pipewire-pulse.service - PipeWire PulseAudio
     Loaded: loaded (/usr/lib/systemd/user/pipewire-pulse.service; enabled; preset:
enabled)
     Active: active (running) since Wed 2026-01-07 17:21:03 CET; 3 days ago
 Invocation: 1e32511184954e5d9e8903b4482f4731
TriggeredBy: ● pipewire-pulse.socket
   Main PID: 1345 (pipewire-pulse)
      Tasks: 3 (limit: 9571)
        CPU: 27ms
     CGroup: /user.slice/user-1000.slice/user@1000.service/session.slice/pipewire-
pulse.service
             └─1345 /usr/bin/pipewire-pulse

Jan 07 17:21:03 Cox systemd[1301]: Started pipewire-pulse.service - PipeWire PulseAudio.
Jan 07 17:21:04 Cox pipewire-pulse[1345]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.…known
Jan 07 17:21:04 Cox pipewire-pulse[1345]: mod.rt: RTKit does not give us
MaxRealtimePriori…ing 1
Jan 07 17:21:04 Cox pipewire-pulse[1345]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.…known
Jan 07 17:21:04 Cox pipewire-pulse[1345]: mod.rt: RTKit does not give us MinNiceLevel,
using 0
Jan 07 17:21:04 Cox pipewire-pulse[1345]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.…known
Jan 07 17:21:04 Cox pipewire-pulse[1345]: mod.rt: RTKit does not give us RTTimeUSecMax,
using -1

● wireplumber.service - Multimedia Service Session Manager
     Loaded: loaded (/usr/lib/systemd/user/wireplumber.service; enabled; preset: enabled)
     Active: active (running) since Wed 2026-01-07 17:21:03 CET; 3 days ago
 Invocation: a5b8a90d609d4ec7a9111718a22690c1
   Main PID: 1342 (wireplumber)
      Tasks: 9 (limit: 9571)
```

```
        CPU: 183ms
     CGroup: /user.slice/user-
1000.slice/user@1000.service/session.slice/wireplumber.service
             └─1342 /usr/bin/wireplumber

Jan 07 17:21:03 Cox systemd[1301]: Started wireplumber.service - Multimedia Service
Sessi…nager.
Jan 07 17:21:04 Cox wireplumber[1342]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.Se…nknown
Jan 07 17:21:04 Cox wireplumber[1342]: mod.rt: RTKit does not give us
MaxRealtimePriority…sing 1
Jan 07 17:21:04 Cox wireplumber[1342]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.Se…nknown
Jan 07 17:21:04 Cox wireplumber[1342]: mod.rt: RTKit does not give us MinNiceLevel, using
0
Jan 07 17:21:04 Cox wireplumber[1342]: mod.rt: RTKit error:
org.freedesktop.DBus.Error.Se…nknown
Jan 07 17:21:04 Cox wireplumber[1342]: mod.rt: RTKit does not give us RTTimeUSecMax, using
-1
Jan 07 17:21:04 Cox wireplumber[1342]: wp-internal-comp-loader: Loading profile 'main'
Jan 07 17:21:04 Cox wireplumber[1342]: default: Failed to get percentage from UPower:
org…oOwner
Jan 07 17:21:04 Cox wireplumber[1342]: [0:00:08.569845993] [1342]  INFO Camera
camera_man…251202
Hint: Some lines were ellipsized, use -l to show in full.
```

Models

Created 2026-01-01 19:10:50 UTC by Mela
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