

# PCs (desktops)

## bluey



Dell Precision 5810 Tower

[https://i.dell.com/sites/csdocuments/Shared-Content\\_data-Sheets\\_Documents/en/al/CSG-EN-XX-ALL-Dell-Precision-Tower-5810-spec-sheet.pdf](https://i.dell.com/sites/csdocuments/Shared-Content_data-Sheets_Documents/en/al/CSG-EN-XX-ALL-Dell-Precision-Tower-5810-spec-sheet.pdf)

## Provenance

ADC purchased at VT auction (part of set of 2 for \$34 total) in Feb. 2025.

## Specs

Unless otherwise noted, components came with the PC as purchased.

### CPU

2x Intel Xeon e5-2630 v3

8 cores, 16 threads (virtual cores) each: 32 virtual cores total

<https://www.techpowerup.com/cpu-specs/xeon-e5-2630-v3.c2866>

### Memory

32 GB DDR4 ECC RAM (4x 8 GB sticks); 8 slots total (so 4 free)

<https://memory.net/product/hma41gr7afr8n-tf-sk-hynix-1x-8gb-ddr4-2133-rdimm-pc4-17000p-r-dual-rank-x8-module/>

## Storage

### Main drive: SATA SSD

240 GB SSD (/dev/sda) holds:

- / ( root ) (/dev/sda1; 146 GB) and
- /home (/dev/sda3; 46 GB) partitions,
- and a swap partition (/dev/sda4; 26.9 GB).

### Secondary drive: 2TB SATA HDD

Seagate Barracuda 2TB purchased end of February 2025 (2025-02).

Installed in bluey on 2025-03-02.

Formatted to ext4 using `gnome-disks`.

Named volume `dbox_backup`

`sudo blkid` output:

```
/dev/sdb: LABEL="dbox_backup" UUID="b7af4fd2-c25a-42d5-be23-8455d26e5a0f"  
BLOCK_SIZE="4096" TYPE="ext4"
```

Added to `/etc/fstab`:

```
# Added by adc 2025-03-02  
UUID=b7af4fd2-c25a-42d5-be23-8455d26e5a0f /media/dbox_backup auto  
rw,user,auto 0 0
```

### Older Dropbox backup HDD

Maybe purchased in 2020? Seagate Barracuda 2TB.

Also contains photos from 2011, 2012, and backups of older computers.

[Contents of HDD with UUID beginning with bb5347b0](#)

2025-02-25 adc added to `/etc/fstab`:

```
UUID=bb5347b0-f19e-4f70-864a-e0cae093805c /media/home2TB auto rw,user,auto 0 0
```

adc removed this HDD on 2025-03-02.

## Power Supply

685W PSU (externally removable)

## nVidia drivers

2025-04-20:

For using RTX 3080. See:

<https://documentation.ubuntu.com/server/how-to/graphics/install-nvidia-drivers/index.html>

```
anthony@bluey:xorg.conf.d$ sudo ubuntu-drivers install -gpgpu udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. udevadm hwdb is deprecated. Use systemd-hwdb instead. nvidia-headless-no-dkms-570-server-open linux-modules-nvidia-570-server-open-generic-hwe-24.04 Reading package lists... Done Building dependency tree... Done Reading state information... Done The following packages were automatically installed and are no longer required:
```

```
libnvidia-common-550 libnvidia-egl-wayland1 libnvidia-extra-550 libnvidia-fbc1-550 libnvidia-gl-550 nvidia-firmware-550-550.120 nvidia-prime nvidia-settings screen-resolution-extra
```

Use 'sudo apt autoremove' to remove them. The following additional packages will be installed:

```
libnvidia-cfg1-570-server libnvidia-compute-570-server linux-modules-nvidia-570-server-open-6.11.0-21-generic nvidia-compute-utils-570-server nvidia-firmware-570-server-570.86.15 nvidia-kernel-common-570-server nvidia-kernel-source-570-server-open
```

The following packages will be REMOVED:

```
libnvidia-cfg1-550 libnvidia-compute-550 libnvidia-decode-550 libnvidia-encode-550 linux-modules-nvidia-550-6.11.0-19-generic linux-modules-nvidia-550-6.11.0-21-generic linux-modules-nvidia-550-generic-hwe-24.04 nvidia-compute-utils-550 nvidia-driver-550 nvidia-kernel-common-550 nvidia-kernel-source-550 nvidia-utils-550 xserver-xorg-video-nvidia-550
```

The following NEW packages will be installed:

```
libnvidia-cfg1-570-server libnvidia-compute-570-server linux-modules-
```

```
nvidia-570-server-open-6.11.0-21-generic  
linux-modules-nvidia-570-server-open-generic-hwe-24.04 nvidia-compute-  
utils-570-server nvidia-firmware-570-server-570.86.15  
nvidia-headless-no-dkms-570-server-open nvidia-kernel-common-570-server  
nvidia-kernel-source-570-server-open
```

0 upgraded, 9 newly installed, 13 to remove and 14 not upgraded. Need to get 128 MB of archives.  
After this operation, 138 MB of additional disk space will be used. Get:1 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 libnvidia-cfg1-570-server amd64 570.86.15-0ubuntu0.24.04.4 [157 kB] Get:2 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 libnvidia-compute-570-server amd64 570.86.15-0ubuntu0.24.04.4 [48.3 MB] Get:3 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 nvidia-firmware-570-server-570.86.15 amd64 570.86.15-0ubuntu0.24.04.4 [65.5 MB] Get:4 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 nvidia-kernel-common-570-server amd64 570.86.15-0ubuntu0.24.04.4 [127 kB] Get:5 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 linux-modules-nvidia-570-server-open-6.11.0-21-generic amd64 6.11.0-21.21~24.04.1+1 [6,523 kB] Get:6 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 linux-modules-nvidia-570-server-open-generic-hwe-24.04 amd64 6.11.0-21.21~24.04.1+1 [6,334 B] Get:7 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 nvidia-compute-utils-570-server amd64 570.86.15-0ubuntu0.24.04.4 [124 kB] Get:8 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 nvidia-kernel-source-570-server-open amd64 570.86.15-0ubuntu0.24.04.4 [6,734 kB] Get:9 <http://us.archive.ubuntu.com/ubuntu> noble-updates/restricted amd64 nvidia-headless-no-dkms-570-server-open amd64 570.86.15-0ubuntu0.24.04.4 [10.6 kB] Fetched 128 MB in 27s (4,788 kB/s) (Reading database ... 257577 files and directories currently installed.) Removing nvidia-driver-550 (550.120-0ubuntu0.24.04.1) ... Removing xserver-xorg-video-nvidia-550 (550.120-0ubuntu0.24.04.1) ... Removing libnvidia-cfg1-550:amd64 (550.120-0ubuntu0.24.04.1) ... Removing nvidia-utils-550 (550.120-0ubuntu0.24.04.1) ... Removing libnvidia-encode-550:amd64 (550.120-0ubuntu0.24.04.1) ... Removing libnvidia-decode-550:amd64 (550.120-0ubuntu0.24.04.1) ... Removing linux-modules-nvidia-550-6.11.0-19-generic (6.11.0-19.19~24.04.1+1) ... linux-image-nvidia-6.11.0-19-generic: removing .ko files Removing linux-modules-nvidia-550-generic-hwe-24.04 (6.11.0-21.21~24.04.1+1) ... Removing linux-modules-nvidia-550-6.11.0-21-generic (6.11.0-21.21~24.04.1+1) ... linux-image-nvidia-6.11.0-21-generic: removing .ko files Removing nvidia-compute-utils-550 (550.120-0ubuntu0.24.04.1) ... Warning: The unit file, source configuration file or drop-ins of nvidia-persistenced.service changed on disk. Run 'systemctl daemon-reload' to reload units. Removing nvidia-kernel-common-550 (550.120-0ubuntu0.24.04.1) ... update-initramfs: deferring update (trigger activated) Removing nvidia-kernel-source-550 (550.120-0ubuntu0.24.04.1) ... Removing libnvidia-compute-550:amd64 (550.120-0ubuntu0.24.04.1) ... Selecting previously unselected package libnvidia-cfg1-570-server:amd64. (Reading database ... 256946 files and directories currently installed.) Preparing to unpack .../0-libnvidia-cfg1-570-server\_570.86.15-0ubuntu0.24.04.4\_amd64.deb ... Unpacking libnvidia-cfg1-570-server:amd64 (570.86.15-0ubuntu0.24.04.4) ... Selecting previously unselected package libnvidia-compute-570-server:amd64. Preparing to unpack .../1-libnvidia-compute-570-server\_570.86.15-0ubuntu0.24.04.4\_amd64.deb ... Unpacking libnvidia-compute-570-server:amd64 (570.86.15-0ubuntu0.24.04.4) ... Selecting previously unselected package nvidia-firmware-570-server-570.86.15. Preparing to unpack .../2-nvidia-firmware-570-server-570.86.15\_570.86.15-0ubuntu0.24.04.4\_amd64.deb ... Unpacking nvidia-firmware-570-server-570.86.15 (570.86.15-0ubuntu0.24.04.4) ... Selecting previously unselected package nvidia-kernel-common-570-server. Preparing to unpack .../3-nvidia-kernel-common-570-server\_570.86.15-0ubuntu0.24.04.4\_amd64.deb ... Unpacking nvidia-kernel-common-570-server (570.86.15-0ubuntu0.24.04.4) ... Selecting previously unselected package linux-modules-nvidia-570-

server-open-6.11.0-21-generic. Preparing to unpack .../4-linux-modules-nvidia-570-server-open-6.11.0-21-generic\_6.11.0-21.21~24.04.1+1\_amd64.deb ... Unpacking linux-modules-nvidia-570-server-open-6.11.0-21-generic (6.11.0-21.21~24.04.1+1) ... Selecting previously unselected package linux-modules-nvidia-570-server-open-generic-hwe-24.04. Preparing to unpack .../5-linux-modules-nvidia-570-server-open-generic-hwe-24.04\_6.11.0-21.21~24.04.1+1\_amd64.deb ... Unpacking linux-modules-nvidia-570-server-open-generic-hwe-24.04 (6.11.0-21.21~24.04.1+1) ... Selecting previously unselected package nvidia-compute-utils-570-server. Preparing to unpack .../6-nvidia-compute-utils-570-server\_570.86.15-0ubuntu0.24.04.4\_amd64.deb ... Unpacking nvidia-compute-utils-570-server (570.86.15-0ubuntu0.24.04.4) ... Selecting previously unselected package nvidia-kernel-source-570-server-open. Preparing to unpack .../7-nvidia-kernel-source-570-server-open\_570.86.15-0ubuntu0.24.04.4\_amd64.deb ... Unpacking nvidia-kernel-source-570-server-open (570.86.15-0ubuntu0.24.04.4) ... Selecting previously unselected package nvidia-headless-no-dkms-570-server-open. Preparing to unpack .../8-nvidia-headless-no-dkms-570-server-open\_570.86.15-0ubuntu0.24.04.4\_amd64.deb ... Unpacking nvidia-headless-no-dkms-570-server-open (570.86.15-0ubuntu0.24.04.4) ... Setting up libnvidia-cfg1-570-server:amd64 (570.86.15-0ubuntu0.24.04.4) ... Setting up nvidia-kernel-source-570-server-open (570.86.15-0ubuntu0.24.04.4) ... Setting up libnvidia-compute-570-server:amd64 (570.86.15-0ubuntu0.24.04.4) ... Setting up nvidia-compute-utils-570-server (570.86.15-0ubuntu0.24.04.4) ... info: The home dir /nonexistent you specified can't be accessed: No such file or directory

info: Selecting UID from range 100 to 999 ...

info: Selecting GID from range 100 to 999 ... info: Adding system user `nvidia-persistenced' (UID 119) ... info: Adding new group `nvidia-persistenced' (GID 125) ... info: Adding new user `nvidia-persistenced' (UID 119) with group `nvidia-persistenced' ... info: Not creating `/nonexistent'. Setting up nvidia-firmware-570-server-570.86.15 (570.86.15-0ubuntu0.24.04.4) ... Setting up nvidia-kernel-common-570-server (570.86.15-0ubuntu0.24.04.4) ... update-initramfs: deferring update (trigger activated) Setting up nvidia-headless-no-dkms-570-server-open (570.86.15-0ubuntu0.24.04.4) ... Setting up linux-modules-nvidia-570-server-open-6.11.0-21-generic (6.11.0-21.21~24.04.1+1) ... Setting up linux-modules-nvidia-570-server-open-generic-hwe-24.04 (6.11.0-21.21~24.04.1+1) ... Processing triggers for libc-bin (2.39-0ubuntu8.4) ... Processing triggers for man-db (2.12.0-4build2) ... Processing triggers for initramfs-tools (0.142ubuntu25.5) ... update-initramfs: Generating /boot/initrd.img-6.11.0-21-generic I: The initramfs will attempt to resume from /dev/sda4 I: (UUID=cd011a3d-c184-4208-8575-514d04e29285) I: Set the RESUME variable to override this. Processing triggers for linux-image-6.11.0-21-generic (6.11.0-21.21~24.04.1+1) ... /etc/kernel/postinst.d/initramfs-tools: update-initramfs: Generating /boot/initrd.img-6.11.0-21-generic I: The initramfs will attempt to resume from /dev/sda4 I: (UUID=cd011a3d-c184-4208-8575-514d04e29285) I: Set the RESUME variable to override this. /etc/kernel/postinst.d/zz-update-grub: Sourcing file `/etc/default/grub' Generating grub configuration file ... Found linux image: /boot/vmlinuz-6.11.0-21-generic Found initrd image: /boot/initrd.img-6.11.0-21-generic Found linux image: /boot/vmlinuz-6.11.0-19-generic Found initrd image: /boot/initrd.img-6.11.0-19-generic Found memtest86+ 64bit EFI image: /boot/memtest86+x64.efi Warning: os-prober will not be executed to detect other bootable partitions. Systems on them will not be added to the GRUB boot configuration. Check GRUB\_DISABLE\_OS\_PROBER documentation entry. Adding boot menu entry for UEFI Firmware Settings ... done

# Nathaniel's gaming Windows PC

(Also ADC's "old bluey" – Linux PC formerly named bluey – same model.)



Dell Precision T1700 small form factor desktop

<https://www.dell.com/support/manuals/en-us/precision-t1700-workstation/prec1700sffompub-v1/specifications?guid=guid-898e7752-4bb3-4e57-8251-51ae26dd6158&lang=en-us>

## Specs

### Memory

16 GB

HyperX HX316C10FBK2/16  
16GB (8GB 1G x 64-Bit x 2 pcs.)  
DDR3-1600 CL10 240-Pin DIMM Kit

[https://www.kingston.com/dataSheets/HX316C10FBK2\\_16.pdf](https://www.kingston.com/dataSheets/HX316C10FBK2_16.pdf)

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