

Topton N100 router geekbench

Result

<https://browser.geekbench.com/v6/cpu/5434390>

<https://browser.geekbench.com/v6/compute/1952950>

single core	multi core	Vulkan
1241	3000	3027

Device

<https://www.aliexpress.com/item/1005005937928989.html>

Create and start Ubuntu Live CD (USB)

<https://releases.ubuntu.com/jammy/>

<https://rufus.ie/en/>

if you got "Device eliminated because it was detected as a Hard Drive (score 13 > 0)" you need to Press "Show Advanced drive properties" and check "List USB Hard Drives

HWE kernel + search for additional drivers

After boot Live USB

```
# basic router setup to preserv internet connecting while testing router performance
vi /etc/sysctl.conf
sysctl -p /etc/sysctl.conf
iptables -t nat -A POSTROUTING -j MASQUERADE
apt install isc-dhcp-server
vi /etc/ssh/sshd_config
vi /etc/dhcp/dhcpd.conf
systemctl restart isc-dhcpd-server
systemctl restart sshd
```

sysctl.conf

```
net.ipv4.ip_forward=1
```

sshd_config

```
Port 22
ListenAddress 0.0.0.0
PermitRootLogin yes
PasswordAuthentication yes
KbdInteractiveAuthentication no
```

dhcpcd.conf

```
option domain-name "liutyi.info";
option domain-name-servers 1.1.1.1, 8.8.8.8;

default-lease-time 600;
max-lease-time 7200;

subnet 10.9.8.0 netmask 255.255.255.0 {
    range dynamic-bootp 10.9.8.40 10.9.8.60;
    option broadcast-address 10.9.8.255;
    option routers 10.9.8.241;
}
```

Download Geekbench

```
wget https://cdn.geekbench.com/Geekbench-6.2.2-Linux.tar.gz
tar xvf Geekbench-6.2.2-Linux.tar.gz
```

Test

```
Geekbench-6.2.2-Linux/geekbench6
```

example output

```
root@ubuntu-server:~# cd Geekbench-6.2.2-Linux/

root@ubuntu-server:~/Geekbench-6.2.2-Linux# ./geekbench6
Geekbench 6.2.2 : https://www.geekbench.com/

Geekbench 6 requires an active internet connection and automatically uploads
benchmark results to the Geekbench Browser.

Upgrade to Geekbench 6 Pro to enable offline use and unlock other features:

    https://store.primatelabs.com/v6

Enter your Geekbench 6 Pro license using the following command line:

    ./geekbench6 --unlock <email> <key>

System Information
  Operating System      Ubuntu 22.04.4 LTS
  Kernel                Linux 5.15.0-94-generic x86_64
  Model                 Default string Default string
  Motherboard           Default string Default string
  BIOS                  American Megatrends International, LLC. 5.27

CPU Information
  Name                  Intel N100
  Topology              1 Processor, 4 Cores
  Identifier            GenuineIntel Family 6 Model 190 Stepping 0
  Base Frequency        3.40 GHz
  L1 Instruction Cache  64.0 KB x 2
  L1 Data Cache         32.0 KB x 2
  L2 Cache              2.00 MB
  L3 Cache              6.00 MB

Memory Information
  Size                  7.53 GB

Single-Core
```

Running File Compression
Running Navigation
Running HTML5 Browser
Running PDF Renderer
Running Photo Library
Running Clang
Running Text Processing
Running Asset Compression
Running Object Detection
Running Background Blur
Running Horizon Detection
Running Object Remover
Running HDR
Running Photo Filter
Running Ray Tracer
Running Structure from Motion

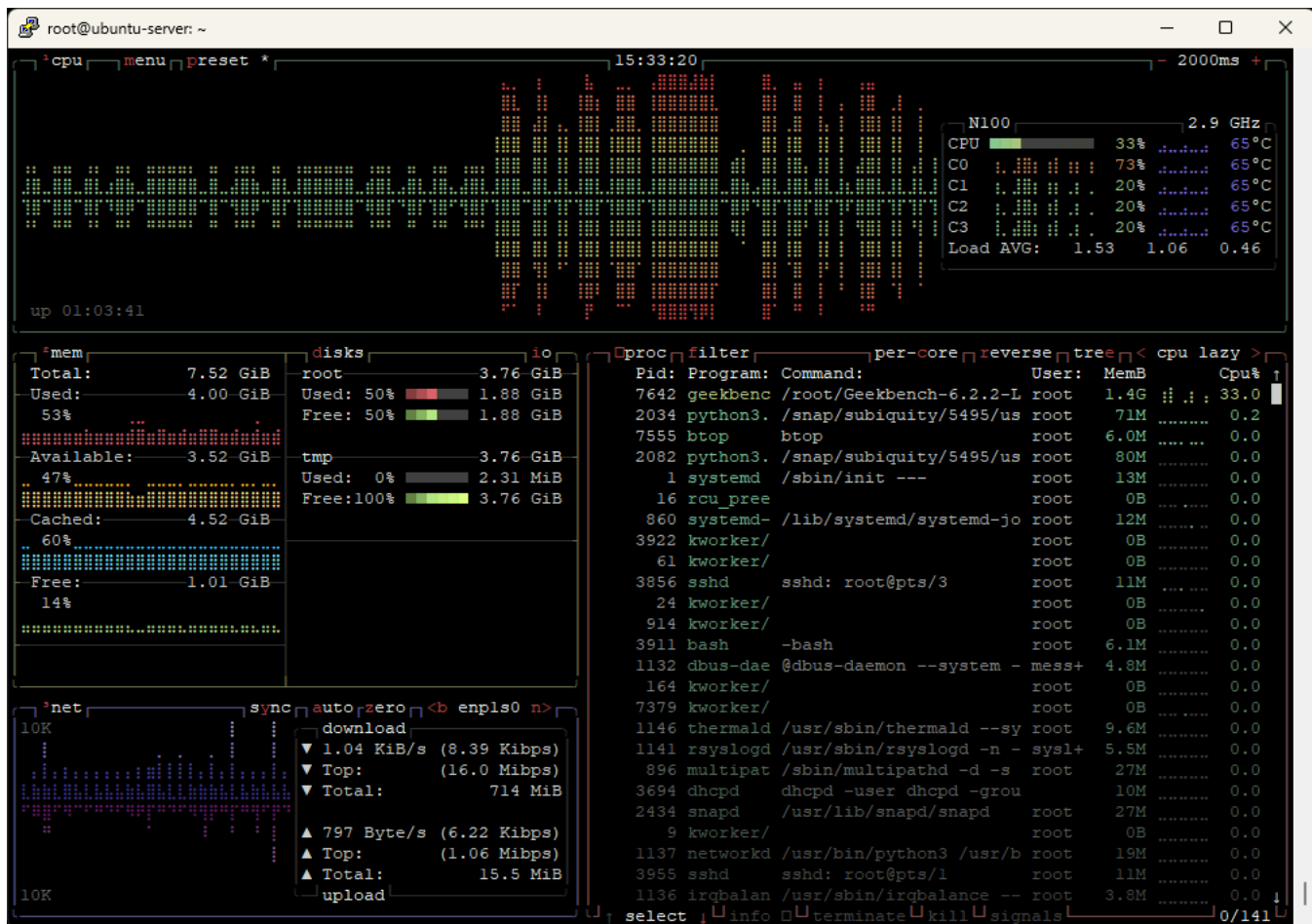
Multi-Core

Running File Compression
Running Navigation
Running HTML5 Browser
Running PDF Renderer
Running Photo Library
Running Clang
Running Text Processing
Running Asset Compression
Running Object Detection
Running Background Blur
Running Horizon Detection
Running Object Remover
Running HDR
Running Photo Filter
Running Ray Tracer
Running Structure from Motion

Uploading results to the Geekbench Browser. This could take a minute or two depending on the speed of your internet connection.

Upload succeeded. Visit the following link and view your results online:

<https://browser.geekbench.com/v6/cpu/5434390>



Compute test

```
wget -qO- https://packages.lunarg.com/lunarg-signing-key-pub.asc | sudo tee /etc/apt/trusted.gpg.d/lunarg.asc
sudo wget -qO /etc/apt/sources.list.d/lunarg-vulkan-jammy.list http://packages.lunarg.com/vulkan/lunarg-vulkan-jammy.list
sudo apt update
sudo apt install vulkan-sdk
```

```
./Geekbench-6.2.2-Linux/geekbench6 --gpu-list
./Geekbench-6.2.2-Linux/geekbench6 --gpu Vulkan
```

```
root@ubuntu-server:~# ./Geekbench-6.2.2-Linux/geekbench6 --gpu-list
Geekbench 6.2.2 : https://www.geekbench.com/
```

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```
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```

Vulkan

0 0 Intel(R) Graphics (ADL-N)

0 1 llvmpipe (LLVM 15.0.7, 256 bits)

```
root@ubuntu-server:~# ./Geekbench-6.2.2-Linux/geekbench6 --gpu Vulkan
```

Geekbench 6.2.2 : <https://www.geekbench.com/>

Geekbench 6 requires an active internet connection and automatically uploads benchmark results to the Geekbench Browser.

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Memory Information

Size	7.53 GB
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Vulkan Information

Device Name	Intel(R) Graphics (ADL-N)
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Vulkan

- Running Background Blur
- Running Face Detection
- Running Horizon Detection
- Running Edge Detection
- Running Gaussian Blur
- Running Feature Matching
- Running Stereo Matching
- Running Particle Physics

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