

Overview & Hardware

Overview & Hardware tags: [hardware, centerpoint, specs]

Overview

Centerpoint is the primary homelab server — a Mini PC form factor running a full self-hosted Docker stack. It acts as the central compute node for all containerised services, reverse proxying, media, AI inference, and automation in the homelab.

Property	Value
Hostname	centerpoint
Role	Primary Docker host
Form Factor	Mini PC (NUC-style)
IP Address	192.168.1.85
Tailscale IP	100.117.158.101
OS	Ubuntu 24.04.4 LTS (Noble Numbat)
Kernel	6.17.0-35-generic

CPU

Property	Value
Model	Intel Core Ultra 9 285H
Core Architecture	P-cores only (no hyperthreading)
Physical Cores	16
Sockets	1

Property	Value
Threads	16 (1 per core)

The 285H is an Intel Meteor Lake H-series mobile processor with a dedicated Neural Processing Unit (NPU). The absence of E-cores or hyperthreading means all 16 logical CPUs are full performance cores, which benefits parallel container workloads.

Memory

Property	Value
Total RAM	96 GB

At time of writing, approximately 33 GB is actively in use with ~9 GB free and ~49 GB used as page cache — normal for a long-running Linux system running a large Docker stack.

Notes

- Uptime is typically measured in weeks; the system runs continuously.
- The NPU in the 285H is not currently leveraged by any container workload — it is available for future OpenVINO or AI inference optimisation.

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