# Physical Hardware

Basic Components

Compute

Processor
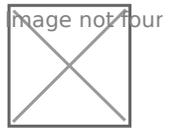
[AMD Ryzen 3 3200G](#) - Economical CPU that has 4 cores and integrated graphics so a PCIe slot can be saved since a GPU isn't necessary.

Cores / Threads	4 / 4
Base Frequency	3.6 GHz
Burst Frequency	4.0 GHz
Cache	4MB L3 Cache
TDP	65W

Motherboard

[Asrock B450M Steel Legend](#) - Small form factor mATX board that is being reused from a prototyping project. Being an mATX board it is very limited in expansion.

Manufacturer	Asrock
Model	B450M Steel Legend
CPU	AMD AM4 Socket
Chipset	AMD Promontory B450
Memory	4x DDR4 DIMM supporting up to 64GB - Dual channel memory architecture

Display	1x HDMI 1.4 1x DisplayPort 1.2
Networking	1x Realtek RTL8111H 1GbE LAN
Expansion	1x PCIe 3.0 x16 1x PCIe 2.0 x16 1x PCIe 2.0 x1
Storage	1x M.2 PCIe x4/x2 1x M.2 SATA x4/x2 4x SATA3
USB	1x USB 3.1 Gen 2 (Type-C) 1x USB 3.1 Gen 2 (Type-A) 4x USB 3.1 Gen 1 (Type-A) 2x USB 2.0

Memory

Slot 1 Image not found or type unknown	Corsair Vengeance LPX 8GB DDR4 2666MHz (1x8GB) 2Rx8 Dual Rank - CAS Latency 16 - timing 16-18-18-35 1.2V
Slot 2 Image not found or type unknown	Corsair Vengeance LPX 8GB DDR4 2666MHz (1x8GB) 2Rx8 Dual Rank - CAS Latency 16 - timing 16-18-18-35 1.2V
Slot 3 Image not found or type unknown	Corsair Vengeance LPX 8GB DDR4 2666MHz (1x8GB) 2Rx8 Dual Rank - CAS Latency 16 - timing 16-18-18-35 1.2V
Slot 4 Image not found or type unknown	Corsair Vengeance LPX 8GB DDR4 2666MHz (1x8GB) 2Rx8 Dual Rank - CAS Latency 16 - timing 16-18-18-35 1.2V

Case

Image not fo
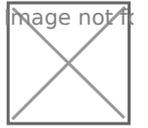
[Fractal Design - Define Mini C (Blackout)](#) - A fantastic case with an attractive minimalistic design that in a mATX form factor.

Manufacturer	Fractal Design
Model	Define Mini C (Blackout)
Features	• Sound dampening panels • Excellent build quality • 2x 3.5" Drive Bays • 2x 2.5" Drive Bays

Storage

#	Capacity	Interface	Type	Manufacturer & Model	Speed
Image not found or type unknown 1x	256GB	NVMe	SSD	Western Digital Black WDS256G1X0C	PCIe 3.0 x2
Image not found or type unknown 2x	512GB	SATA	SDD	Crucial MX100	SATA3 6.0Gb/s
Image not found or type unknown 1x	1TB	SATA	HDD	Western Digital WD10EZEX	SATA3 6.0Gb/s
Image not found or type unknown 1x	1TB	SATA	HDD	Seagate ST1000DM003	SATA3 6.0Gb/s

Cooling

Image not found or type unknown **CPU**	AMD Wraith Spire

Case (Front)	image not found or type unknown	Noctua NF-A14 PWM 140mm
Case (front)	image not found or type unknown	Noctua NF-F12 PWM 120mm
Case (rear)	image not found or type unknown	Noctua NF-F12 PWM 120mm

Power Supply

Manufacturer	EVGA
Model	SuperNOVA 550 G2
Features	- 550W - fully module

UPS

n/a

Add-On Cards

PCI 3.0 x16		Radeon RX 560 Gaming OC 4G (rev. 1.0) - PCIe Gen3 x8
PCI 3.0 x1		Inateck 4 Ports PCIe to USB 3.0 - PCIe Gen3 x1

PCI 2.0 x16		**10Gtek Intel 82599ES SFP+ PCIe x8** - PCIe Gen3 x8 - SFP+ 10GbE port - SR-IOV

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