DECENTRALIZED DATACENTER · POC

Hardware *order list*

3 sites · each site: 1 DB pod + 1 manager + 5 workers · 21 machines in total

ITEM	SPECIFICATION	PER SITE	TOTAL	LINK
1 · COMPUTE				
DB pod	MINISFORUM MS-02 Ultra · Intel Core Ultra 9 285HX · 2 × 25GbE SFP28	1	3	MINISFORUM
Manager	Intel N150 mini PC · 6 × 2.5GbE LAN · 32 GB RAM · 1 TB NVMe	1	3	Amazon
Worker	ACEMAGIC K1 · Ryzen 7 7730U (8C/16T) · 16 GB RAM · 1 TB NVMe	5	15	ACEMAGIC
2 · DB POD PARTS (installed in each DB pod)				
ECC memory	64 GB DDR5 ECC SO-DIMM · 4 per DB pod = 256 GB	4	12	
Enterprise NVMe	24 TB per DB pod, power-loss protected (e.g. Micron 7450 PRO / Samsung PM9A3) · must fit M.2 2280	24 TB	72 TB	

Power backup — choose one

OPTION	PER SITE	TOTAL (3 SITES)	RUNTIME
Option 1 about 1 hour+	1 × EcoFlow DELTA 2 (1,024 Wh)	3 × DELTA 2	≈ 1.8 h
Option 2 about 24 hours	1 × EcoFlow DELTA Pro 3 (4,096 Wh) + 2 × extra battery	3 × DELTA Pro 3 + 6 × extra battery	≈ 21 h

Runtime at full load (518 W per site). Wiring: wall → power station → nodes.

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