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Hardware Baseline (System of Interest)

Lists all physical components within the system boundary, including make, model, serial number, and primary function. Establishes the reference baseline for asset accountability and configuration tracking.

System Elements (Mission Enabling)				Enabling Systems (Physical Support Infrastructure)						
Component Name	Price	Component Type	Make	Model	CPU	RAM	Storage	Network Interface	Power Source	Primary Purpose / Notes
8U Server Cabinet, 10 inch Server Rack	\$128.00	Rack	GeekPi	8U 10" Cabinet	N/A	N/A	N/A	N/A	External A/C (UPS)	Houses and organizes rack-mounted gear
Rack Shelf 10 inch	\$22.00	Rack Shelf	DeskPi	RackMate	N/A	N/A	N/A	N/A	N/A	Shelf for small devices/gear
Rack Shelf 10 inch	\$22.00	Rack Shelf	DeskPi	RackMate	N/A	N/A	N/A	N/A	N/A	Shelf for small devices/gear
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Surge Protector Power Strip with Rotating Outlets	\$29.00	Power Strip	Echo Gear	Voltspin	N/A	N/A	N/A	N/A	External A/C (UPS)	Extends A/C Outlet Availability for Devices
Canakit Raspberry Pi 4 Pro	\$130.00	Compute	Raspberry Pi / CanaKit	Pi 4 Pro	Quad-core ARM Cortex-A72 (4 cores) @ 1.5GHz	4GB	32GB microSD	1 GbE, Wi-Fi, BT	External A/C (UPS)	Mini compute for performance management
Raspberry Pi Screen, 10.1 Inch Touchscreen	\$70.00	Monitor/Peripheral	iPistBit	10.1" Touchscreen	N/A	N/A	N/A	N/A	USB Power	Performance Grafana Dashboard(s) Display
Vilros 15 Inch USB Keyboard with Touchpad	\$37.00	Keyboard/Peripheral	Vilros	VILP108	N/A	N/A	N/A	N/A	USB Power	Local-Direct Console Access / Admin
Sceptre 27" Gaming Monitor	\$90.00	Monitor/Peripheral	Sceptre	E275W-FW100T	N/A	N/A	N/A	N/A	A/C (UPS)	Temporary Display for Local Maintenance
Beelink Mini PC SERS5 Pro	\$319.00	Compute	Beelink	SERS5 Pro	AMD Ryzen 7 5825U (8 cores, up to 4.5GHz)	16GB	500GB SSD	2.5 GbE, Wi-Fi 6, BT 5.2	A/C (UPS)	Domain Controller, AD, DNS, DHCP, NTP
Beelink Mini PC SERS5 Pro	\$319.00	Compute	Beelink	SERS5 Pro	AMD Ryzen 7 5825U (8 cores, up to 4.5GHz)	16GB	500GB SSD	2.5 GbE, Wi-Fi 6, BT 5.2	A/C (UPS)	Dedicated Splunk Server (SH/Indexer)
HP EliteDesk 800 G5 Mini PC	\$310.00	Compute	HP	EliteDesk 800 G5	Intel Core i5-9500T (6 cores)	32GB	1TB SSD	1 GbE, Wi-Fi, BT	A/C (UPS)	Virtualization / small server
HP EliteDesk 800 G5 Mini PC	\$310.00	Compute	HP	EliteDesk 800 G5	Intel Core i5-9500T (6 cores)	32GB	1TB SSD	1 GbE, Wi-Fi, BT	A/C (UPS)	Virtualization / small server
UGREEN NASync DXP4800 4-Bay Desktop NAS	\$467.00	Storage / NAS	UGREEN	NASync DXP4800	Intel N100 Quad-core	8GB	32GB eMMC	2x 2.5GbE	A/C (UPS)	Central NAS for file storage/shares
Samsung 990 PRO SSD 1TB PCIe 4.0 M.2	\$90.00	Storage (SSD)	Samsung	990 PRO	N/A	N/A	1TB NVMe SSD	N/A	N/A	High-speed SSD for NAS expansion
Samsung 990 PRO SSD 1TB PCIe 4.0 M.2	\$90.00	Storage (SSD)	Samsung	990 PRO	N/A	N/A	1TB NVMe SSD	N/A	N/A	High-speed SSD for NAS expansion
4TB Western Digital Red Plus HDD	\$100.00	Storage (HDD)	Western Digital	WD Red Plus 4TB	N/A	N/A	4TB SATA HDD	N/A	N/A	NAS-class HDD for storage
4TB Western Digital Red Plus HDD	\$100.00	Storage (HDD)	Western Digital	WD Red Plus 4TB	N/A	N/A	4TB SATA HDD	N/A	N/A	NAS-class HDD for storage
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UGREEN USB to Ethernet Adapter 2.5Gb	\$26.00	Network Adapter	UGREEN	USB 2.5GbE Adapter	N/A	N/A	N/A	2.5 GbE (via USB)	USB Power	Expands NICs for Pi/PC
4TB Western Digital Red Plus HDD	\$100.00	Storage (HDD)	Western Digital	WD Red Plus 4TB	N/A	N/A	4TB SATA HDD	N/A	N/A	NAS-class HDD for storage
GeeekPi 12 Port Patch Panel	\$20.00	Networking	GeeekPi	12-Port Mini Patch Panel	N/A	N/A	N/A	RJ45 Ports	N/A	Cable management / termination
NETGEAR EnGenius 8 x 1G/2.5G Managed Switch	\$139.00	Switch (PoE)	MS308E	EWS2910FP-FIT	N/A	N/A	N/A	8x GbE + 2x SFP	A/C (UPS)	PoE switch for devices/APs
Protectli Vault FW2B	\$239.00	Firewall / Router	Protectli	Vault FW2B	Intel Celeron J3060 (2 cores)	8GB	120GB mSATA SSD	2x GbE	A/C (UPS)	Firewall appliance (pfSense/OPNsense)
CyberPower CP1500AVRLCD3	\$200.00	UPS	CyberPower	CP1500AVRLCD3	N/A	N/A	N/A	N/A	Battery/AC Outlet	Backup power for rack gear
System / Capability Totals	\$3,567.00	–	–	–	30 Cores / 60 Threads	100GB	~4.78TB SSD + 16TB HDD = ~20.78TB	–	–	–

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