

AIBOX DATA CENTER

HARDWARE & INFRASTRUCTURE EQUIPMENT LIST

Customer Specification Sheet | 18 October 2026

Scope: Two 42U server racks, AI compute, enterprise NAS storage and backup, Odoo application servers, core networking, security, dual online UPS, and supporting infrastructure.

A. AI Supercomputer

Brand / Vendor	Model / Equipment Specification	Quantity
Supermicro	4U GPU-certified rack server platform, dual redundant PSU	1
NVIDIA	RTX PRO 6000 Blackwell Server Edition 96GB GPU	2
Intel	Xeon Scalable CPUs, matched pair	1 set
Server OEM	ECC DDR5 RAM 512GB	1 set
Server OEM	Enterprise NVMe 3.84TB x2, 25GbE NIC, integration	1 set

B. NAS & Cloud Storage

Brand / Vendor	Model / Equipment Specification	Quantity
QNAP	TS-h3087XU-RP 30-bay QuTS hero NAS	2
Seagate	Exos Enterprise 20TB HDD	40
Enterprise OEM	1.92TB enterprise SATA SSD	8
QNAP / OEM	25GbE NIC and optics kit	2 sets
QNAP / OEM	Spare drives, rail kits and storage accessories	1 lot

C. Odoo & Application Compute

Brand / Vendor	Model / Equipment Specification	Quantity
Dell	PowerEdge R760xs, Xeon, 128GB ECC, redundant PSU, SSD boot/storage	2
Dell / OEM	10/25GbE NIC, rails and storage upgrades	2 sets
Dell / OEM	Spare enterprise SSD and service accessories	1 lot

D. Network & Security

Brand / Vendor	Model / Equipment Specification	Quantity
MikroTik	CRS518-16XS-2XQ-RM	2

	25/100GbE core switch	
MikroTik	CRS326-24G-2S+RM management switch	2
Fortinet	FortiGate 200G firewall appliances for HA (licensing to confirm)	2
Supermicro	1U dedicated MaxWall host (software compatibility TBD)	1
Multi-vendor	SFP28/DAC/fiber/Cat6A/patch panels	1 lot
Multi-vendor	Out-of-band management and network spares	1 lot

E. Rack, UPS & Electrical

Brand / Vendor	Model / Equipment Specification	Quantity
APC	NetShelter SX AR3100 42U rack	2
APC	Smart-UPS SRT10KXLI 10kVA online UPS	2
APC	Compatible external battery pack allowance	2 sets
APC / OEM	Metered/switched rack PDU	4
Electrical contractor	ATS, distribution boards, breakers, grounding	1 lot
Multi-vendor	Shelves, rails, blanking panels, environmental sensors	1 lot

F. Facilities & Deployment Requirements

Brand / Vendor	Model / Equipment Specification	Quantity
HVAC contractor	Dedicated cooling system allowance	1 lot
Electrical contractor	Power cabling and electrical installation	1 lot
Fire safety contractor	Fire detection/suppression and environment monitoring	1 lot
System integrator	Installation, migration, testing and handover	1 lot
Project reserve	Contingency provision	1 lot

Technical & Procurement Notes

- All equipment models and configurations are proposed specifications and must be validated for compatibility, local availability, and manufacturer support before ordering.
- NAS configuration: two QNAP 30-bay units with 20 × 20TB HDD per unit; usable capacity depends on RAID/ZFS layout, snapshots, and reserved space.
- Confirm certified GPU server chassis, power supplies, cooling, and NVIDIA GPU compatibility. Confirm the precise MaxWall software and supported hardware requirements.
- UPS power capacity, battery runtime, rack layout, room cooling, and A/B power distribution require a site survey and electrical load assessment.

- Server software, firewall subscriptions, Odoo deployment architecture, backup and disaster recovery design are to be finalized during implementation.

Document status: Preliminary customer-facing hardware specification — subject to final engineering review.