



**AXIOM
CORE GRID**
DATA PROCESSING. POWERING WHAT'S NEXT.
POWERING WHAT'S NEXT.

**PRIVATE 40FT
DATA CENTER**

SECURE. SCALABLE. SELF-SUFFICIENT.

- ✓ 40ft High-Cube Shipping Container
Converted to Tier-Ready Data Center
- ✓ Starlink Satellite Internet
- ✓ Underground Electric Service
- ✓ Secure, Private & Off-Grid Capable
- ✓ Climate-Controlled Environment
- ✓ 24/7 Monitoring & Remote Access

STARLINK SATELLITE INTERNET
High-speed, low-latency
connection anywhere.

PRIVATE & SECURE
Your data. Your control.
No shared infrastructure.

CLIMATE CONTROLLED
Precision cooling keeps
performance at its peak.

**UNDERGROUND
ELECTRIC SERVICE**
Clean, safe, and reliable
power—installed
underground.

BUILT FOR THE FUTURE. POWERED FROM WITHIN.



PHYSICAL SECURITY
Reinforced steel, lockable
access, optional fencing
& surveillance.



HIGH DENSITY READY
Optimized for compute,
storage, and AI workloads.



EFFICIENT & SUSTAINABLE
Low power draw options
& off-grid solar compatible.



REMOTE MANAGEMENT
Monitor power, cooling,
security & performance
anywhere.

AXIOM CORE GRID™ EdgeVault Pods

PRIVATE MODULAR DATA CENTER INFRASTRUCTURE — DEPLOYED ANYWHERE

A complete product overview, material and equipment cost breakdown, deployment advantages, and budgetary package pricing for a private 40-foot high-cube data center pod.

INFRASTRUCTURE PACKAGE	OPTIONAL IT PACKAGE	COMPLETE EXAMPLE PACKAGE
\$190,500	\$144,000	\$334,500
Materials and equipment only	Servers, storage and support	Infrastructure + example IT equipment

Your Data. Your Infrastructure. Anywhere.

AXIOM CORE GRID™ EdgeVault: Pods

Page 1

Product Overview

AXIOM CORE GRID™ EdgeVault Pods are self-contained modular data centers engineered to provide private computing, storage and network capacity without the time and expense of a conventional building. Each pod is developed inside a hardened 20-foot or 40-foot container and can be configured for AI workloads, edge computing, private cloud, disaster recovery, industrial systems or secure enterprise storage.



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Precision cooling keeps performance at its peak.

UNDERGROUND ELECTRIC SERVICE
Clean, safe, and reliable power—installed underground.

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✓ Starlink Satellite Internet

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BUILT FOR THE FUTURE. POWERED FROM WITHIN.

IDEAL FOR

 AI & Machine Learning

 Edge Computing

 Enterprise Private Cloud

 Government & Defense

 Healthcare & HIPAA Compliant Storage

 Financial Services

 Hospitality Technology

 Telecommunications

 Industrial IoT

 Disaster Recovery & Business Continuity

 Cryptocurrency & Blockchain Infrastructure

POD SPECIFICATIONS

 40FT HIGH-CUBE CONTAINER

 UP TO 30KW IT LOAD CAPACITY

 PRECISION COOLING SYSTEM

 REDUNDANT UPS & POWER DISTRIBUTION

 FIRE SUPPRESSION & EARLY DETECTION

 STARLINK & MULTI-CARRIER CONNECTIVITY

 24/7 AI MONITORING & ALERTS

YOUR DATA.
YOUR INFRASTRUCTURE.
ANYWHERE.



AXIOM CORE GRID™
PRIVATE INFRASTRUCTURE. INFINITE POSSIBILITIES.

 axiomcoregrid.com

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AXIOM CORE GRID™ EdgeVault Pods

Page 2

Budgetary Configuration & Cost Summary

The pricing in this document assumes one 40-foot high-cube container, three 42U racks, approximately 25-30 kW of usable IT load capacity, redundant cooling, Starlink connectivity, remote monitoring, and approximately 100 feet of underground electrical-service materials. Pricing is budgetary and may vary by site, equipment brand, freight, taxes and final engineering.

Category	Estimated Cost
Container and structural conversion	\$29,700
Server racks and support equipment	\$13,800
Internal electrical and UPS systems	\$69,500
Underground electrical-service materials	\$15,000
Cooling and environmental controls	\$16,500
Fire detection and suppression	\$18,000
Networking and Starlink connectivity	\$21,500
Physical security systems	\$6,500
TOTAL INFRASTRUCTURE MATERIALS & EQUIPMENT	\$190,500

Cost Benefits

Lower capital expenditure	Modular construction can substantially reduce the upfront cost of purpose-built infrastructure.
Rapid deployment	A pre-engineered pod may be commissioned in weeks rather than the 12-24 months often associated with a conventional data-center build.
Private infrastructure	Dedicated equipment eliminates shared-facility and multi-tenant exposure.
Energy efficiency	Right-sized cooling and power management reduce wasted capacity and operating expense.
Scalable by design	Additional pods can be deployed as computing requirements grow.
Relocatable asset	The pod can be moved, redeployed or integrated into a larger modular campus.

1. Container & Structural Conversion	Qty.	Estimated Cost
40-foot high-cube, one-trip shipping container	1	\$6,500
Concrete foundation piers, pads and mounting hardware	1 lot	\$1,200
Structural steel for equipment openings and reinforcements	1 lot	\$4,500
Closed-cell insulation and fire-rated interior wall/ceiling panels	1 lot	\$8,500
Anti-static commercial flooring system	1 lot	\$3,500
Insulated security entrance and equipment-access doors	1 lot	\$2,500
Exterior coating, rust treatment and weatherproofing materials	1 lot	\$1,800
Interior LED and emergency lighting	1 lot	\$1,200
SUBTOTAL		\$29,700

2. Server Racks & Equipment Support	Qty.	Estimated Cost
42U enclosed server racks	3	\$7,500
Metered rack power-distribution units	6	\$3,600
Vertical and horizontal cable-management equipment	1 lot	\$1,200
Rack grounding kits, rails, shelves and blanking panels	1 lot	\$1,500
SUBTOTAL		\$13,800

3. Internal Electrical Distribution & Battery Backup	Qty.	Estimated Cost
10 kVA online double-conversion UPS systems	2	\$25,000
Extended-runtime battery cabinets	2	\$16,000
Main distribution panel, breakers and disconnects	1 lot	\$12,000
Automatic transfer switch	1	\$6,500
Surge protection, grounding and bonding equipment	1 lot	\$2,500
Emergency power-off controls	1 lot	\$2,000
Branch circuits, receptacles, wire and conduit inside container	1 lot	\$5,500
SUBTOTAL		\$69,500

4. Underground Electrical-Service Materials	Qty.	Estimated Cost
Schedule 40/80 underground electrical conduit	100 ft	\$1,800
Copper service conductors sized for selected load	1 lot	\$6,500
Pull boxes, sweeps, fittings and warning tape	1 lot	\$1,500
Exterior service disconnect and weatherproof cabinet	1 lot	\$2,800
Ground rods, grounding conductor and bonding materials	1 lot	\$1,200
Concrete equipment pad and bollard materials	1 lot	\$1,200
SUBTOTAL		\$15,000

5. Cooling & Environmental Control	Qty.	Estimated Cost
36,000-BTU commercial mini-split cooling systems	2	\$9,000
Line sets, condensate components and mounting hardware	1 lot	\$2,000
Redundant temperature and humidity controls	1 lot	\$2,000
Fresh-air and pressure-relief ventilation equipment	1 lot	\$1,500
Environmental sensors for temperature, humidity and water	1 lot	\$2,000
SUBTOTAL		\$16,500

6. Fire Detection & Suppression	Qty.	Estimated Cost
Clean-agent fire-suppression cylinder and agent	1 system	\$7,000
Discharge nozzles, piping and control hardware	1 lot	\$2,500
Fire alarm/releasing control panel	1	\$1,500
Smoke and heat detectors	1 lot	\$1,000
Early-warning air-sampling smoke-detection equipment	1 system	\$5,000
Portable clean-agent extinguishers	2	\$1,000
SUBTOTAL		\$18,000

7. Starlink & Network Infrastructure	Qty.	Estimated Cost
Starlink Performance business hardware allowance	1	\$2,500
Permanent roof or pole mounting system	1	\$500
Enterprise firewall/router	1	\$2,500
Managed 10/25-gigabit network switches	2	\$8,000
Patch panels, fiber, copper cabling and transceivers	1 lot	\$4,000
Cellular backup modem and antenna	1	\$1,000
Remote network and power-monitoring gateway	1	\$3,000
SUBTOTAL		\$21,500

8. Physical Security	Qty.	Estimated Cost
Electronic access-control system	1	\$1,500
Exterior and interior surveillance cameras	4	\$1,600
Network video recorder and storage drive	1	\$900
Door contacts, motion sensors and alarm equipment	1 lot	\$1,000
Exterior security lighting	1 lot	\$700
Equipment cabinet and tamper-resistant hardware	1 lot	\$800
SUBTOTAL		\$6,500

Optional IT Equipment Package

The following example package represents the server and storage equipment shown in the concept rendering. Actual IT hardware should be selected according to workload, rack density, power availability and performance requirements.

Example Server & Storage Package	Qty.	Estimated Cost
General-purpose 2U enterprise servers	12	\$96,000
Rack-mounted storage arrays	2	\$30,000
Server operating-system and management licenses	Allowance	\$10,000
Spare drives, power supplies and network adapters	Allowance	\$8,000
SUBTOTAL		\$144,000

Infrastructure Materials & Equipment	\$190,500
Optional Example IT Equipment Package	\$144,000
COMPLETE EXAMPLE PACKAGE TOTAL	\$334,500

Potential Applications

AI and machine learning • Edge computing • Enterprise private cloud • Government and defense • Healthcare and compliant storage • Financial services • Hospitality technology • Telecommunications • Industrial IoT • Disaster recovery and business continuity • Cryptocurrency and blockchain infrastructure

Deployment Considerations & Exclusions

Not included

Labor, design engineering, permits, code review, utility-company fees, transformer upgrades, trench excavation, backfill, freight, taxes, monthly internet service, software subscriptions and ongoing maintenance.

Site conditions

Final costs depend on the distance to electrical service, soil conditions, required foundations, local code, climate, ambient temperature and security requirements.

Power capacity

The assumed configuration supports approximately 25-30 kW of usable IT load. Higher-density GPU and AI systems may require larger utility service, liquid cooling, additional UPS capacity or multiple pods.

Pricing status

All figures are preliminary budget allowances and are not a binding quotation. Vendor quotations and final engineering are required before procurement.

Brand statement

AXIOM CORE GRID™ EdgeVault Pods are designed as configurable modular infrastructure. Performance, certification and tier status depend on the final engineered system and operating plan.



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A complete, self-contained data center
delivered in a secure 40ft container.
Built for performance. Designed for
privacy. Ready anywhere.



COMPLETE MATERIAL & EQUIPMENT COST BREAKDOWN (MATERIALS ONLY – NO LABOR)	
CATEGORY	ESTIMATED COST (USD)
1 CONTAINER & STRUCTURAL CONVERSION	\$29,700
2 SERVER RACKS & SUPPORT EQUIPMENT	\$13,800
3 ELECTRICAL & UPS SYSTEMS	\$69,500
4 UNDERGROUND ELECTRICAL SERVICE MATERIALS	\$15,000
5 COOLING & ENVIRONMENTAL CONTROL	\$16,500
6 FIRE DETECTION & SUPPRESSION	\$18,000
7 NETWORKING & STARLINK CONNECTIVITY	\$21,500
8 PHYSICAL SECURITY SYSTEMS	\$6,500
TOTAL MATERIALS & EQUIPMENT COST	\$190,500

*Server hardware not included. See optional IT equipment package below.

OPTIONAL IT EQUIPMENT PACKAGE (EXAMPLE)		
EQUIPMENT	QTY	ESTIMATED COST
 ZU Enterprise Servers	12	\$96,000
 Storage Arrays	2	\$30,000
 Licenses & Software	—	\$10,000
 Spare Drives & Components	—	\$8,000
ESTIMATED IT EQUIPMENT TOTAL		\$144,000
 COMPLETE PACKAGE TOTAL (Infra + IT Equipment) (Materials & Equipment Only – No Labor)		\$334,500

ROI COMPARISON: POD VS. TRADITIONAL DATA CENTER			
FACTORS	TRADITIONAL BUILD	AXIOM POD	SAVINGS
Construction Time	12 – 24 Months	2 – 8 Weeks	Up to 90% faster
Upfront Capital Cost	\$700K – \$1.2M+	\$190K – \$334K	Up to 60% less
Power Efficiency	Standard	High Efficiency	Up to 30% lower OPEX
Scalability	Complex & Expensive	Simple & Modular	Significantly easier
Mobility	Fixed Location	Relocatable	100% Flexible
Security	Shared Facilities	Private & Secure	Maximum Control

**REAL SAVINGS. REAL CONTROL. REAL PERFORMANCE.**

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 Cryptocurrency & Blockchain

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