

# NODIA ATLAS

## AI Powerhouse for High-Throughput Workloads



Nodia Atlas is your local AI data center in a box, serving as the flagship node for enterprise and research-grade AI computing. Engineered for maximum throughput and scalability, Atlas combines GPU-accelerated processing, modular upgrades, and top-tier security—making it the ultimate workhorse for enterprise-scale inference, large-model execution, and full-stack AI applications. At a \$549 MSRP, Atlas offers rapid returns on investment.

### Atlas Specs

USE CASE	Private LLMs, advanced inference, batch pipelines
BEST PLACED	AI labs, startups, smart enterprises
MOUNTING	Rack-mountable or standalone
POWER	High-output PSU, dual-AC power

## Key Features

### Ultra-High Reward Rate

50 NODIA per task base rate, ×10 Early-Launch Bonus (first 3 months), ×1.1 Uptime Multiplier for >99% availability.

### Massive Memory & Storage

16 GB LPDDR5 RAM, 512 GB NVMe SSD (expandable via M.2 slot).

### Enterprise Security

Secure Boot, TPM 2.0, AES-256, hardware-anchored zk-SNARK proofs.

### Next-Gen GPU Compute

NVIDIA Jetson Orin NX (2048-core GPU), optional PCIe-based external GPU expansion.

### Advanced Cooling & Connectivity

Smart liquid-cooling loop for sustained high loads, Dual 10 GbE ports + Wi-Fi 6E + 5G modem support.

### Modular Design

Hot-swappable SSD and GPU modules, Rack-mountable chassis (1 U).

## Technical Specifications

COMPONENT	SPECIFICATION
GPU	NVIDIA Jetson Orin NX (2048-core GPU)
RAM	16 GB LPDDR5
Storage	512 GB NVMe SSD (+ M.2 slot for expansion)
Connectivity	Dual 10 GbE, Wi-Fi 6E, 5G modem slot
Expansion	PCIe ×4 slot for external GPUs or accelerators
Power	100–240 VAC → 24 VDC, 200 W adapter included
Cooling	Smart liquid-cooling with temperature-adaptive pump
Security	TPM 2.0, Secure Boot, AES-256, zk-SNARK proofs
Dimensions	430 × 210 × 44 mm (1 U rack)
Weight	5.2 kg
Operating Temp.	−20 °C – 70 °C
Certifications	CE, FCC, RoHS, UL

## Ideal Use Cases

- Distributed Model Training:** Large-scale deep-learning training jobs with decentralized federated learning.
- Real-Time Video Rendering:** High-resolution CGI rendering, live-stream analytics, and AR/VR workflows.
- Smart-City Command Centers:** Centralized orchestration of decentralized edge analytics for traffic, surveillance, and energy management.
- Scientific Computing:** Genomic sequencing, climate modeling, and complex data simulations at the edge.

## Setup Guide

- Unbox & Inspect:** Confirm package contents: Atlas unit, liquid-cooling radiator, power adapter, Ethernet cables, quick-start guide.
- Mount & Connect:** Install in a standard 19 rack or place on a stable surface. Connect dual 10 GbE and/or Wi-Fi 6E. Optionally install a 5G modem. Fill and bleed the liquid-cooling loop per instructions.
- Register on Dashboard:** Log in at [dashboard.nodia.io](#) with your Phantom Wallet. Devices → Add Device → scan the QR code on Atlas base → assign a name.
- Authorize & Activate:** Approve the on-chain Solana transaction. Atlas status switches to Live and automatically begins task processing.

## Earnings Projection

Assumptions:

- Market Cap: \$1 000 000 → \$0.00111 / NODIA
- Early-Launch Bonus: ×10 (first 90 days)
- Uptime Multiplier: ×1.1

SCENARIO	TASKS/DAY	NODIA/TASK	NODIA/MONTH	\$/MONTH
Conservative	200	550	3,300,000	\$3,663
Moderate	500	550	8,250,000	\$9,158
Aggressive	1,000	550	16,500,000	\$18,315

Even at just 200 tasks/day, Nodia Atlas generates \$3,663/month—covering its \$549 cost in under one week.

## Troubleshooting & Support

- No Power & Boot Failure:** Verify AC input, reseat power connectors, test outlet.
- Network Connectivity Issue:** Check 10 GbE link lights, confirm router QoS, reboot network.
- Cooling Fault:** Inspect liquid loop for leaks or airlocks; re-bleed if needed.
- Underperformance:** Monitor GPU/CPU utilization in Dashboard; update firmware.
- Firmware Update Error:** Reboot Atlas; if persists, apply update via Device Settings.

For enterprise-grade support, open a ticket under Dashboard → Helpdesk Priority or consult our full guide at [docs.nodia.io/atlas](#).

## Pro Tips

- Scale Horizontally:** Link multiple Atlas units in a “High-Performance Cluster” for linear throughput gains.
- Leverage Hybrid Workloads:** Combine Atlas with Edge nodes to offload light inference and maximize Atlas capacity for heavy tasks.
- Automate Monitoring:** Use the Dashboard API to trigger auto-scale events based on real-time load and earnings thresholds.

## Why Nodia Devices?

- Modular Scalability:** From a single Nodia Core in your living room to racks of Nodia Atlas in enterprise environments, mix and match devices to match your workload and budget.
- Unified Dashboard:** Manage all your nodes—Core, Edge, Atlas—from one place. Track task status, earnings, uptime, and health metrics in real time.
- Seamless Security:** Every device comes with AES-256 encryption, secure boot, and built-in zk-SNARK proof generation. Protect your data and prove your work, no matter where you deploy.
- Plug-and-Play Simplicity:** Each unit arrives ready to connect: power, network, register—and start earning NODIA tokens in minutes.

## Our Lineup

<b>Nodia Core</b> Home users & hobbyist devs Ultra-low power, silent operation, easy setup	<b>Nodia Edge</b> Small businesses & AI startups Mid-range performance, active cooling, AES-256	<b>Nodia Atlas</b> Enterprises & research institutions High-throughput GPU, modular upgrades, 5G-ready
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For detailed information on each device, please refer to our comprehensive documentation at [nodia.gitbook.io/nodia-docs/](#)

\$549

Secure your personal AI node today!

Register for Pre-Order