

NQRust-AI Appliance

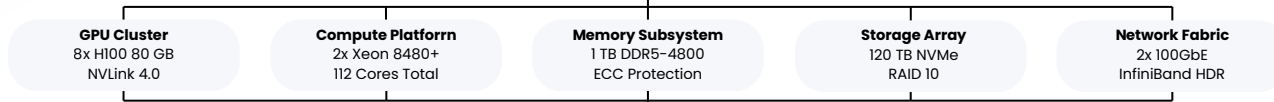
Enterprise AI Infrastructure in a Box

Plug-and-Play AI Deployment, 24-Hour Setup, 99.9% Uptime SLA



DEPLOYMENT SPEED
<24 hour setup
99.7% first-time success
Zero integration effort
Plug-and-play ready

ENTERPRISE HARDWARE PLATFORM
Pre-Validated, Optimized, Enterprise-Grade
H100 GPUs, Dual Xeon, NVMe Storage, 100GbE



AI PERFORMANCE

- 3.2 PetaFLOPS FP16
- 87% GPU utilization
- 45ms inference latency
- 280 token/sec throughput

COMPETITIVE ADVANTAGES

Rust Foundation Memory safety, zero-cost abstractions, fearless concurrency

Complete Stack Only appliance with integrated MLOps, monitoring, security

SEA Focus Purpose-built for regional compliance and requirements

Proven Results 9.7% deployment success, 4.8/5 customer satisfaction

Expert Support Local teams, 24/7 availability, escalation procedures

Future-Proof Regular updates, clear upgrade path, technology roadmap

Economic 48% lower TCO, predictable costs, flexible financing

PERFORMANCE LEADERSHIP
Rust Advantage

Training Speed
4.8x Faster
vs PyTorch Baseline

Inference Latency
45ms TTFT
5.3x Improvement

RUST-POWERED AI SOFTWARE STACK
MLOps, Inference, Training, Security
Pre-Integrated, Memory Safe, High Performance

NQRust-HV
Type-1 Hypervisor
GPU Passthrough

Inference Engine
vLLM Integration
Auto-Scaling

LLMOps Platform
Training Pipeline
Model Registry

FleetMgr
Orchestration
Kubernetes

BUSINESS VALUE
Enterprise ROI

Deployment
<24 Hours
vs 12-16 Weeks

ENTERPRISE OPERATIONS & SECURITY
Monitoring, Compliance, Multi-Tenancy, Support 99.9% SLA, 24/7 Support, SOC 2, GDPR Ready

NQRust-Insight
AI Monitoring
Predictive Analytics

Compliance Engine
GDPR/PDPA
Data Sovereignty

Security Framework
Multi-Tenant
RBAC + Audit

Support Portal
24/7 Helpdesk
Remote Diagnostics

RAPID DEPLOYMENT & LIFECYCLE MANAGEMENT
24-Hour Setup, Auto-Configuration, Maintenance
Zero Integration, Turn Key Operation, Upgrade Path

Auto-Config
Zero Touch
Self-Optimizing

Deploy Wizard
Guided Setup
Best Practices

Lifecycle Management
Update Engine
Zero Downtime

Support SLA
4-hour Response
On-Site Available

APPLIANCE CONFIGURATIONS

Configuration	Starter	Professional	Enterprise	Data Center
GPU Count	2x H100 40 GB	4x H100 80 GB	8x H100 80 GB	H100 80 GB
Memory	512 GB	1 TB	2 TB	3 TB
Storage	30 TB NVMe	60 TB NVMe	120 TB NVMe	240 TB NVMe
Form Factor	2U Rack	4U Rack	4U Rack	8U Rack
Target Users	50-100	200-500	1000+	5000+
Use Cases	PoC/Dev	Departmental	Enterprise	AI Data Center

NQRUST-AI APPLIANCE ARCHITECTURE

Enterprise Server Platform, 2x Xeon B480+,
1 TB Memory, 4U Rackmount

H100

120 TB NVMe RAID 10

2x 100GbE + InfiniBand

Platform Comparison	NQRust-AI	NVIDIA DGX	Dell EMX	HPE Cray	DIY Build
Deployment Time	<24 hours	2-3 days	1-2 weeks	2-3 weeks	12-16 weeks
Software Integration	Complete	Basic	Minimal	Minimal	Manual
Training Performance	4.8x	1x	0.9x	1.1x	0.8x
Enterprise Support	24/7 Included	Extra Cost	Limited	Partner	DIY
SEA Compliance	Built-in	Partial	Basic	None	Manual

Rapid Deployment
24-hour production ready
Zero integration complexity

Proven Performance
4.8x training acceleration
87% GPU utilization

Enterprise Security
SOC 2 + GDPR compliant
Full data sovereignty

ENTERPRISE SUCCESS STORIES

Bank Central Asia

GovTech Singapore

Telkomsel

99.7% Success Rate

\$78M fraud prevention, 32% traffic optimization,
41% network performance

APPLIANCE ARCHITECTURE FLOW



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NQRust-AI Appliance Enterprise AI Infrastructure Platform v1.0

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