POLYSTACK

MAKE IN INDIA

STAQ BEETLE

CLOUD-IN-A-BOX ▶▶▶

FEATURES

Buy and Deploy

No Site Preparation Needed

STAQ BEETLE is a composite product and is delivered in a ready-to-deploy condition. There is no need for environmental conditioning or expensive site-preparation.

CUSTOM-MADE FOR
INDIAN CUSTOMERS

Compliance

Data Sovereignty

This solution is ideally designed for industries with strict data localization requirements such as healthcare, finance, or government. STAQ BEETLE is also compatible with GCC (Government Community Cloud) guidelines for on-premise deployments.

Information Security

Enhanced Control and Isolation

STAQ BEETLE allows an organization to have greater control over their infrastructure, with tailor-made security policies, on-site hardware-based encryption mechanisms and better controls on data ingress and egress policies.

Reliability

Environmental Factors

Built to military specifications, STAQ BEETLE is designed to withstand typical Indian conditions in remote areas, with high ambient temperatures, high humidity, dusty environment, poor power quality and unreliable power backups.

Cost

Lower Setup Cost and TCO

With zero cost for site preparation and much lower operational cost due to specially designed power distribution systems, STAQ-BEETLE offers a much lower TCO. Tailored Infrastructure, Efficient Resource Utilization and predictable costs are added advantages.

Remote Management

Centralized Administration Teams

A single team of System Administrators, SOC Analysts and Application Experts can monitor, administer, operate and troubleshoot every component of a cluster of STAQ-BEETLEs deployed in remote areas of any geography. This remote management capability enhances operational efficiency, reduces downtime, and streamlines resource allocation.

ULTIMATE PERFORMANCE

▶ Up to 1920 x86 computing cores for unparalleled processing power.

▶ Up to 30 TB RAM for high-performance and efficient data handling.

▶ Up to 3.5 PB multi-tier storage for extensive data storage and accessibility.

▶ Aggregate raw switching through put of 1Tbps or more.

▶ Multi-tiered storage architecture.

▶ IronCore℠ - Powered by Rakuten

ULTIMATE RELIABILITY

▶ Resilient design with multiple inbuilt failsafe measures.

▶ Dual redundant Power distribution.

▶ Inbuilt fire management system.

▶ Support for inbuilt UPS with multiple redundancies.

▶ Patent pending Platform Management System.

▶ Support for ultra-secure post-quantum encrypted storage.

FLEXIBLE
CONFIGURATIONS

01 Unleash Parallel Processing Power

A fully stacked GPGPU populated STAQ-BEETLE, with up to 32 GPUs each, is ideal for training complex neural networks, analyze massive datasets or accelerate model inferencing. Our private cloud is purpose-built to fuel your AI ambitions.

02 Scale Seamlessly

Whether you're diving into natural language processing, computer vision, or reinforcement learning, this private cloud scales effortlessly. Add GPUs as the demands grow, without compromising performance.

03 Deploy Anywhere

A fully stacked GPGPU populated STAQ-BEETLE, with up to 32 GPUs each, is ideal for training complex neural networks, analyze massive datasets or accelerate model inferencing. Our private cloud is purpose-built to fuel your AI ambitions.

04 Centralized Control, Global Reach

100% remote management enabled STAQ-BEETLE allows unparalleled efficiency in management efforts, seamless consistency across multiple deployments and horizontal scalability for an expanding client-base.

05 Stack the Cloud

The Military grade STAQ-BEETLE design is offered in a standard 16U configuration, however it can also be customized to meet your custom specifications.

This modular Hyper-converged Infrastructure can be stacked to allow expansion vertically, without sacrificing floor space.
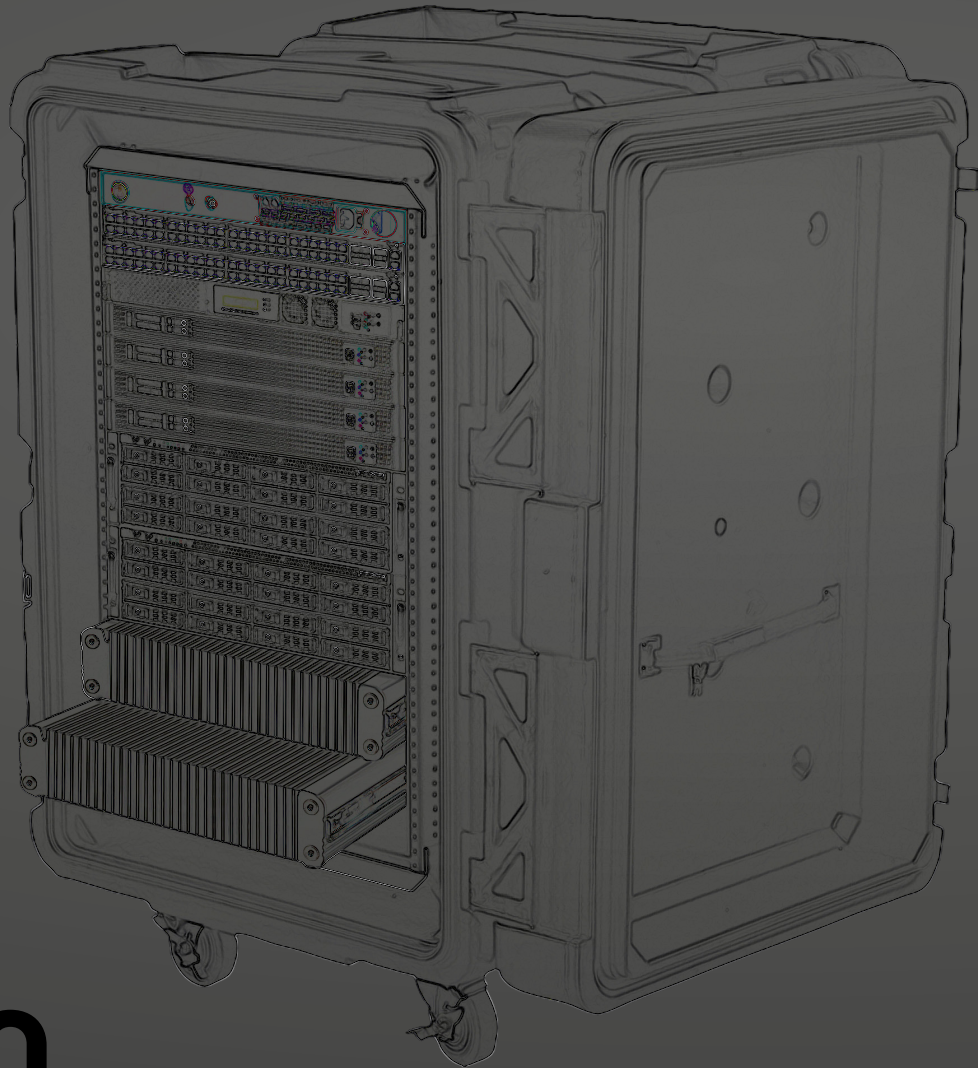
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