PORTABLE EDGE
DATA CENTER

- NOT JUST ANOTHER BOX

INSTANT EDGE | DEPLOY. CONNECT. COMPUTE.
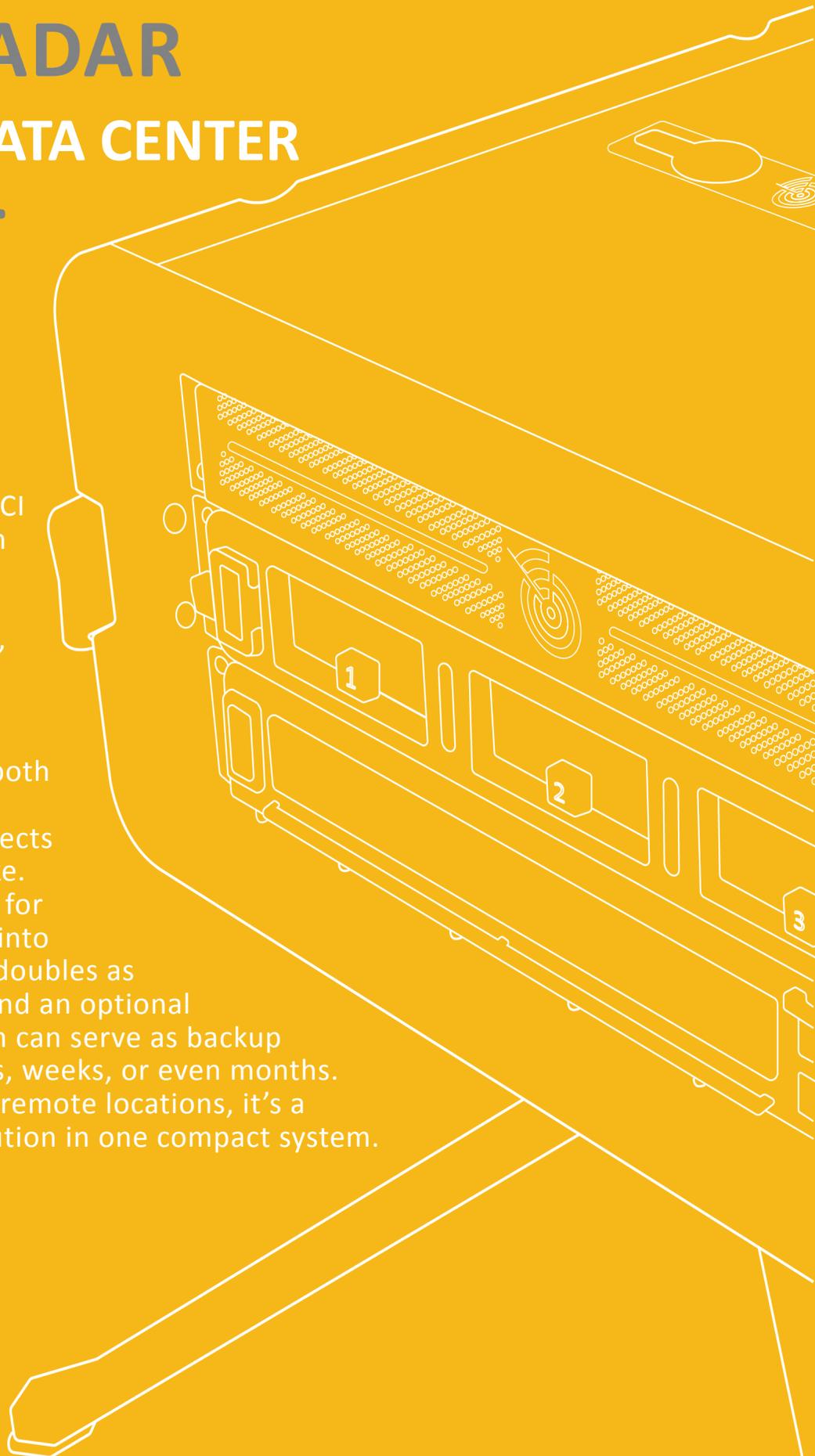
HIVERADAR

A PORTABLE DATA CENTER - REIMAGINED.

Designed for every industry and built to be affordable, the Portable Edge Data Center delivers enterprise-class performance anywhere – instantly, right out of the box. Certified with leading HCI vendors and compatible with your preferred platforms, it packs compute, networking, security, and internet (wired, cellular, or satellite) into a rugged carrying case.

Futuristic LED lighting adds both unique and status visibility, while an elevated stand protects against dust and debris intake. Every element is engineered for a dual purpose: lids convert into field desks, foam packaging doubles as reusable travel protection, and an optional smart off-grid battery system can serve as backup or power operations for days, weeks, or even months. From fixed sites to the most remote locations, it's a complete, resilient edge solution in one compact system.
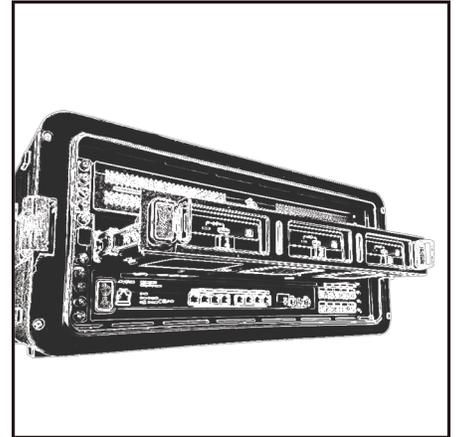
HIVERADAR ADVANTAGE

PHILOSOPHY

Backed by experience building the first airline-friendly wireless survey kit, trusted by top telecoms.

PRACTICAL INNOVATION

Transforms in minutes from rugged case to data center and mobile workspace, mission-ready.

SUPERIOR CRAFTSMANSHIP

Precision-built with premium materials, from carbon fiber masts to custom racks and LED lighting.

KEY DIFFERENTIATORS

- **Portable & Innovative Design** – *Deploy anywhere, in minutes.*
- **Hybrid Cloud Resilience** – *Operates even during outages.*
- **AI-Ready Compute Edge*** – *Run inference and analytics locally.*
- **Secure Unified Connectivity Fabric*** – *Starlink + 5G, PCI DSS compliant.*
- **Ultra-Efficient** – *On-grid or off-grid, hours to days.*
- **Plug-and-Play Deployment** – *Zero-touch setup, instant operation.*
- **Multi-HCI Software Vendor Support** – *Compatible with major HCI stacks.*
- **Modular & Scalable Architecture** – *Upgrade or swap components easily.*

SAVINGS CALCULATOR

Edge Efficiency Calculator

Discover how much you can save by switching to HiveRadar Portable Edge Data Centers. Our interactive calculators show both upfront and ongoing savings—helping you make data-driven decisions for smarter, faster deployments.

Scan the QR Code to access:

- *Deployment Savings Calculator*
- *Operational Efficiency Calculator*

Hiveradar
Portable Edge Data Center

- Not Just Another Box

REDEFINE
PORTABLE EDGE COMPUTING
Portable. Practical. Powerful

The P-EDC is more than a rack in a case. It's an edge data center reimagined- affordable, vendor-neutral, and engineered with the field in mind and the flexibility to work for any business, big or small.

PHYSICAL SPECIFICATIONS
- 4U Wheeled Variants
Tough Outside. Smart Inside.

Form Factor
Rugged 4U rolling case with integrated CoreFrame™

External Dimensions
24" × 22" × 10.2"

Gross Weight
85- 95 lbs

Special Feature
Exterior Hi-Visibility LED

Total Height
Up to 8.4ft (257cm) with pole extended

Mounting
Integrated mount points for support legs & telescoping mast

Multi-Functional Lids
Convert into bench and work desk surfaces

Integrated Cooling
Equipped with built-in active cooling, with fan speed automatically adjusted based on internal temperature.
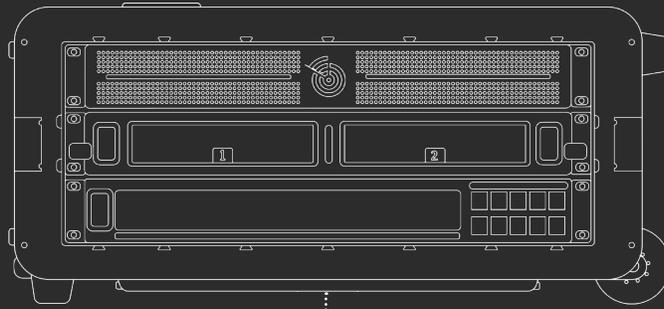
Integrated Storage
Accessories and connectivity gear storage (varies by model)

* Customizable for MoQ for a nominal fee

Lid transforms into a chair with attachable legs

6.7'
(205cm)

24"

10.2 "

22"

20.5"
(52cm)

10.6"
(26.7cm)

HCI COMPUTE OPTIONS

Model	HR-EDC-4U-NUC	HR-EDC-4U-HR01-2	HR-EDC-4U-HR01-4 (Coming soon)
Compute Nodes	3 × NUC Pro	2 × HR-01	4 × HR-01
Max Cores	48	28	56
Max Memory (DDR5)	288GB	192GB	384GB
Max Storage (NVMe)	24TB	48TB	96TB
Connectivity (per Node)	2 × 2.5Gb RJ45	2 × 2.5Gb RJ45 + 2 × 10Gb SFP+	2 × 2.5Gb RJ45 + 2 × 10Gb SFP+
Best For	• Multi-vendor HCI support • Fixed or mobile edge environments • Disaster response operations • Expeditionary and rapid-deployment missions • Field offices and remote sites • Off-grid operations	• Dedicated platform for StorMagic SvHCI • Fixed or mobile edge operations • Emergency and expeditionary missions • High-throughput storage workloads • Remote and temporary field offices • Off-grid and disconnected deployments	• Multi-vendor HCI support • High-throughput edge workloads • Fixed or mobile edge deployments • Maximum usable storage capacity • Enterprise and remote-site HCI
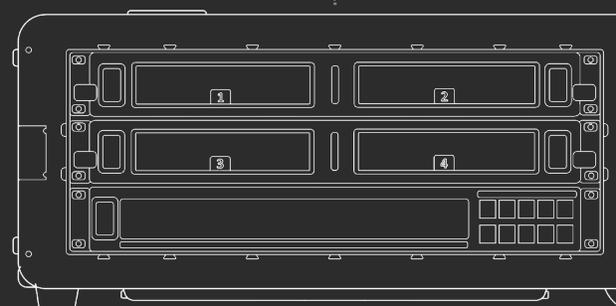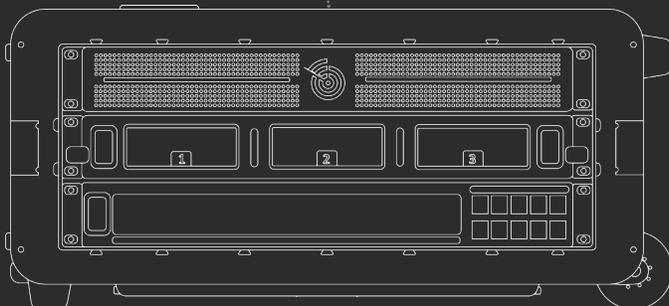
EDC Health Monitor

- Built-in monitoring hardware & local web dashboard
- Future ready- Fleet management & integrations
- Power monitoring & connected UPS status
- HCI cluster health (supported vendors)
- Network stack health & diagnostics

HCI Cluster
EDC-Sim-Cluster-3node

⚙ CPU

🖴 Memory

🖴 Storage

Cluster Nodes (3/3)

sim-node-1	●
CPU	72%
Mem	57%
Temp	79.5°C
VMs	4

sim-node-2	
CPU	
Mem	
Temp	
VMs	

🖥 Virtual Machines

Last updated: 1/15/2026, 10:35:40 AM

EDC Devices
EnGenius Cloud

🔳 Network Switch ECS2510FP

1	2	3	4	5	6 10M

⚡ PoE: **3.4W**   Uptime: **5d 14h**

⏻ Smart PDU ECP106

⚡ 1	⚡ 2	⚡ 3	

Power Usage

Uptime: **2d 23h**

Last updated: 1/15/2026, 10:35:55 AM

🔳 Network Tools

〰 Idle Latency Monitor
Current
7.9ms
Target
1.1.1.1
Updated: 10:35:45 AM

Select Tool

Internet Speed Test - Measure do

⭳ **DOWNLOAD**

0.00 Mbps

Ping:	0.0 ms
Jitter:	0.0 ms
Loss:	0.00%

Why HCI?

Enterprise resilience without enterprise complexity

What is HCI?

Traditional IT infrastructure relies on separate servers, storage arrays, and networking equipment—each with its own management overhead and failure points. Hyperconverged Infrastructure (HCI) combines compute, storage, and virtualization into a single software-defined platform running on standard hardware.
The result: data center capabilities with dramatically less complexity.

TRADITIONAL
(NON-CONVERGED - THREE TIER ARCHITECTURE)

SERVER

NETWORK SWITCH   FC SWITCH

SAN STORAGE

HYPERCONVERGED

CLUSTER

NODE 1   NODE 2

SERVER + STORAGE COMBINED

ETHERNET SWITCH
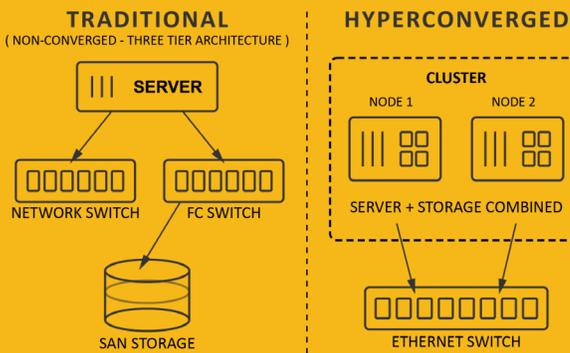
Four Benefit Blocks

⚠ No Single Point of Failure
Multi-node clustering keeps workloads running when hardware fails. If a node goes down, operations continue on the remaining nodes.

🗄 Distributed Storage
Data is replicated across nodes in real-time. No external SAN, no complex cabling, no dedicated storage network.

⚙ Unified Management
One interface for compute, storage, and virtualization. No separate consoles for each layer of your infrastructure.

Workload Flexibility
Run VMs, containers, or VDI on the same platform. Deploy Windows, Linux, or Kubernetes

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Compatible HCI Platforms

StorMagic   NODEWEAVER   SCALE COMPUTING   PROXMOX   HARVESTER

MODEL:
HR-EDC-4U-NUC

Active Exhaust
5G Gateway & Accessory Storage

- Backlit, contact-powered drawer with integrated LED lighting
- Tool-free access
- Active fan cooling with temperature-activated system
- Dedicated storage for:
  - Carbon fiber telescoping pole
  - Gateway AP mount and beacon
  - Gateway with antennas
  - Extra cables and Storage

Integrated LED lighting

Airflow Intake Panel

- For optimal cooling and efficiency

StarLink Mini Storage & Accessory Bay

- Backlit, contact-powered drawer with integrated LED lighting
- Tool-free access
- Storage options for:
  - Starlink Mini with power supply
  - Additional storage

Edge HCI Cluster

Backlit 3-node rackzmount cluster

- Tool-free service access for quick maintenance
- Rubber vibration-dampening inserts for hardware stability
- Pre-wired and cable-secured design for reliable operation
- Supports up to 3 × NUC PRO form factor nodes

FRONT

BACK

Power Distribution Unit (PDU)

- Enterprise cloud-managed 6-outlet design
- LCD display with LED status indicators
- Native cloud management for monitoring and control
- Custom low-profile cables with integrated cable management

High-Speed Network Switch

Enterprise cloud-managed 10-port PoE+ network switch

- 8 × 10GbE ports with 2 × SFP+ ports pre-populated
- Integrated keystone panel for expansion
  Native cloud management for
- monitoring and control
  Pre-wired network cabling for quick deployment

Brush Panel & Embedded EDC Health Monitor

- Integrated brush panel for clean cable management
- Conceals cables with power supplies and PoE-powered EDC Health Monitor housed behind
- EDC Health Monitor functions include HCI cluster monitoring, UPS monitoring with auto-shutdown, and network utilities

Structural CoreFrame

- Reinforced case frame for added strength
- Improved rigidity to protect rack-mounted equipment

Deployment Hardware

- Carbon fiber telescoping pole with long section or extension
- HiveRadar Beacon with steady/ blinking visual indicators
- Universal T-bar bracket or Pole Quick Mount for APs, antennas, and radio devices
- Support legs for bench-top use or EDC elevation

Power

Cloud-managed 6-outlet smart PDU
- LCD display with LED status indicators, self-healing, surge, and ground protection
- Input:
  - North America: 100–120V / 15A / 50–60Hz
  - International: 200–240V / 10A / 50–60Hz
- Max Power Consumption:
  - North America: 1500W
  - International: 2400W
- Connectivity: 2 × Gigabit RJ45

Network Switching

Cloud-managed 10-port PoE+ switch
- 8 × 2.5GbE ports + 2 × SFP+ ports (pre-populated with copper transceivers)
- Full-featured Layer 2+ switching with 120 Gbps capacity
- 802.3af/at PoE+ support on all ports with 240W PoE budget
- Real-time metrics, ad vanced analytics, and remote configuratzzion
- Security features: ACL/port security, 802.1X, and RADIUS authentication

Security & Internet Connectivity

- 5G Cellular Gateway Options:
  - Mako Networks 5G Wireless Gateway – High-security 5G gateway with NGFW (IPS/IDS), PCI DSS compliance, and cloud-only management (ISP connection not included)
  - HiveRadar Basic Standalone Wireless Gateway – Essential connectivity for basic deployments, with basic firewall capability, managed via local web UI or SSH (ISP connection not included)
- Dedicated storage space for Starlink Mini (device not included)

Work Surfaces

Two Multifunctional Hardcase Lids:
- Lid A: Converts to bench with attachable legs
- Lid B: Mounts as raised table or elevated work surface

Optional Modules & Upgrades

Networking Optional Upgrade:
Cloud Managed 12 Port PoE++ Network Switch
- 8 x 10GbE Ports and 4 x SFP+ ports (with pre-populated copper transceivers)
- 802.3af/at/bt PoE++ capable on all ports with 420W PoE budget
- Switching Capacity: 240 Gbps

Optional Software/Services:
- HiveRadar Turnium Bandwidth Aggregation/ Static Public IP (Carrier Independent)
- HiveRadar Breach Detection Sensors
- Firewall Vx Appliance
- EDC Health Monitor Optional Service for HiveRadar Zero Trust

MODEL:
HR-EDC-4U-HR01-2

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5G Gateway Or StarLink Mini
Storage & Accessory Bay

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FRONT   BACK

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Accessory Storage

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- Storage for additional cables or accessories

Edge HCI Cluster

Backlit 2-node rackmount cluster

- Tool-free service access
- Rubber vibration-dampening inserts
- Pre-wired and secured cabling to hardware
- Includes HiveRadar HR-01 Server Nodes
  - With up to 96Gb of DDR5 Memory
  - With up to 24TB of NVMe Storage

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THE EDC IN ACTION

IN YOUR INDUSTRY

Whether you're a growing startup, a remote branch, or a global enterprise, this portable solution handles your rapidly increasing demand for edge computing and long-term infrastructure rollouts. It delivers reliable performance, simple IT management, and enterprise-grade features without the complexity or bulk. Below are just a few industry examples where the EDC makes an impact.

MEDIA & ENTERTAINMENT
Film Production, Broadcasting & Live Events

ORGANIZATIONAL DISASTER RECOVERY
Rapid Response & Business Continuity

REMOTE FIELD OPERATIONS
Exploration, Expeditions & Geological Surveys

CONSTRUCTION
Job Sites, Infrastructure Projects & Site Offices

EMERGING TECHNOLOGIES
AI, Robotics, Drones & Smart Farms

RETAIL & FRANCHISE
Multi-Site Operations, Pop-Ups & Quick Service

DEFENSE & MILITARY
Tactical Operations & Forward Operating Bases

RETAIL FUEL OPERATIONS & EXPLORATION TEAMS
Rigs, Refineries & Retail Fuel Operations

HEALTHCARE & EMERGENCY RESPONSE
Field Hospitals, Clinics & Humanitarian Missions

GOVERNMENT & LAW ENFORCEMENT
Forensics, Audits, Libraries & Field Offices

GOVERNMENT BODIES & PUBLIC AGENCIES
Natural Disaster Response, Forensics, Audits, Field Offices

GET THE FULL PICTURE
Explore detailed specs, key features, and real-world applications.
Scan the QR code to discover more use cases in detail

Why Pair Off-Grid Power with Your EDC?

True Deployment Flexibility
Deploy your EDC anywhere- rooftops, remote sites, emergency zones, or temporary locations- without relying on existing electrical infrastructure or costly site preparation.

Uninterrupted Operations
Maintain mission-critical uptime during grid outages, power fluctuations, or in areas with unreliable electricity. Your EDC stays online when you need it most.

Lower Total Cost of Ownership
Eliminate installation delays, reduce infrastructure costs, and avoid electrician fees. Set up in minutes instead of days- no permits, no complex integrations, just plug and deploy.

⚡ UPS Battery Backup

Delta 3 Pro
High-capacity battery backup designed for extended off-grid EDC operations and mission-critical deployments.

- 4096Wh rated, expandable to 12kWh
- 4000W continuous AC output
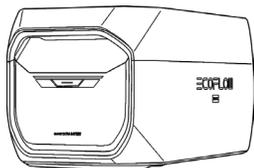- 10ms UPS switchover protection

Delta 3 Plus
Compact, lightweight solution for smaller EDC setups and mobile field operations requiring reliable backup power.

- 5kWh expandable capacity
- 1800W continuous output
- 10ms UPS switchover protection

⤢ Capacity Expansion

Smart Extra Battery
Seamlessly expand your runtime for longer deployments. Plug-and-play design requires no tools or technical setup.

- Add up to 2 units per Delta 3 Pro (12kWh total)
- Plug-and-play connection, no configuration needed
- Automotive-grade LiFePO4 cells for longevity

OPTIONAL EDC ACCESSORIES
Enhance portability and protection for your Edge Data Center

Deployed Mobility System
Transform your deployed EDC into a mobile unit. Heavy-duty wheels attach directly to the extended legs for easy repositioning.

- Attaches to deployed EDC legs
- Heavy-duty roller blade design
- Easy repositioning without lifting

Protective Transit Case
Rugged protective covering shields your EDC during transportation, shipping, and field deployment.

- Reuses original shipping foam for reinforced protection
- Exposes EDC handles and wheels for easy mobility
- Integrated pouch for identification and shipping labels

❄ Climate Management

WAVE 3 Portable Air Conditioner
Keep your EDC equipment and personnel cool in challenging environments. Battery-powered cooling for deployments in hot climates.

- 6,100 BTU cooling capacity
- Up to 8 hours runtime on 1024Wh battery
- Smart app control and monitoring

☁ Backup Generation

Dual-Fuel Smart Generator
Reliable backup power generation with fuel flexibility. Integrates with your power station for automatic charging and extended runtime.

- Up to 4000W peak / 3000W continuous output
- Dual-fuel: propane or gasoline operation
- Smart integration and auto-start capability

💧 Renewable Charging

400W Solar Panel
Sustainable on-site recharging for truly independent off-grid deployments. Weather-resistant construction built for field conditions.

- 400W solar input + 220W bypass charging
- IP68 waterproof rating for outdoor use
- Foldable design with integrated kickstand

CONTACT US
TO SCHEDULE A DEMO,
proof of concept, or trial deployment tailored to your operational needs.

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INSTANT EDGE | DEPLOY. CONNECT. COMPUTE.

HIVERADAR

Deploy.   *Connect.*   *Compute.*