

PORTABLE EDGE DATA CENTER

HEALTH CARE EMERGENCY PREPAREDNESS



Preparedness Beyond the Hospital Walls

In mass casualty events like pandemics or natural disasters, traditional healthcare infrastructure is quickly overwhelmed. Hospitals need to extend their network and compute capabilities far beyond the building - into parking lots, field tents, or remote crisis zones. This demands a portable, secure, and rapidly deployable solution.

Industry Overview

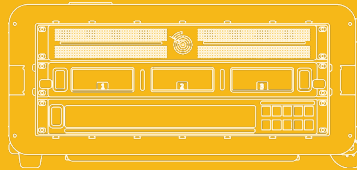


- During pandemics or natural disasters, hospitals and emergency teams must extend IT capabilities beyond facility walls—often in minutes.
- Secure, real-time access to EHRs, imaging, and communication systems is essential for coordinated, life-saving care.
- Traditional data centers can't keep up with mobile field hospitals or rural deployments—healthcare now needs power, compute, and connectivity that travel anywhere.

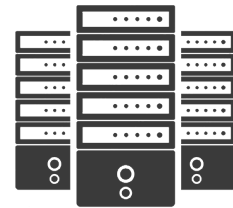
The HiveRadar Portable Edge Data Center

BUILT FOR CRITICAL CARE

Our 4U Portable Edge Data Center delivers a complete, enterprise-grade infrastructure in a **rugged, airline-checkable case**. Built for one-person deployment and operation, it transforms any space into a functional digital operations hub in **minutes-not days**.



New Way (HiveRadar P-EDC)



Old Way (Legacy)

Location & Deployability

A full data center in a tough 4U box you can roll or carry. Airline check-in ready, under 100 lbs (45kgs). One cable deployment for instant setup.

Reliant on large, non-mobile IT infrastructure. The limited mobility of standard wheeled racks is the only available option and is cumbersome to move and set up. It's nearly impossible to deploy quickly or effectively when dealing with remote sites or active disaster zones.

Data Management & Security

Built-in all-flash storage (10TB to 96TB+) for local, secure EHR. Redundant HCI node redundancy for data safety and super fast 10Gb ports for real-time image transfer and data sync.

Relying on paper, slow manual data sync, or easily lost/stolen portable hard drives for patient data. Lack of real-time EHR access off-site.

Connectivity & Comms

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Traditional two-way radios and limited cell service. Difficult to establish secure, high-bandwidth networks for triage or remote monitoring.

Power & Logistics

Ultra-low power draw (100W-700W max load). Off-Grid Ready with smart portable battery backups (1kWh-48kWh), solar, and dual-fuel generator options.

Uses large generators, requires dedicated IT crew, and creates noise/cooling headaches. High energy consumption.

Scalable Across All Healthcare Levels

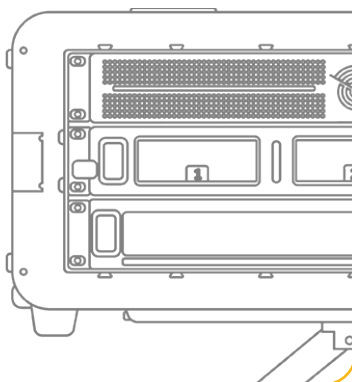
Whether you're a small clinic extending Wi-Fi to a testing tent or a regional hospital standing up a full edge compute node for mobile EHR, the system scales to match your response needs.

SIMPLIFIED DEPLOYMENT & KEY ADVANTAGES

The HiveRadar P-EDC re-imagines the data center, making it so one person can carry and deploy it. This system is built to provide instant, secure IT infrastructure where patient care is needed most - without relying on traditional IT resources or facilities.

True Data Center in a Box

Fast switching, multi-node HCI, and all-flash storage support demanding tasks like real-time EHR access, large medical imaging file transfer, and running local clinical applications. Includes a built-in PDU and a PCI-DSS-compliant 5G gateway firewall for secure internet and intranet.



Ready-to-Go, Plug-and-Play

Medical response waits for no one. This system arrives preconfigured and fully integrated, deploying with just one cable—no days of complex IT setup. If a component fails, it can be hot-swapped and a full replacement shipped fast.



Connectivity Anywhere

Optional multi-ISP aggregation (via 5G, satellite, or Wi-Fi) provides solid, low-latency access for mobile EHR sync and telehealth, even in remote or devastated areas. It keeps your critical network stable when cellular towers are jammed or down.



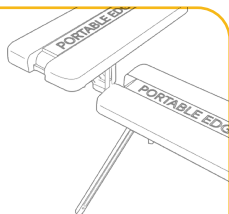
Off-Grid Ready

Power options include portable UPS (1kWh–48kWh), solar panels, and dual-fuel generators, which are perfect for blackouts or remote field operations. An optional 6000 BTU battery-powered AC helps maintain the operational temperature for sensitive gear in extreme heat.



Mobile Office Ready

Super versatile for tight spaces. The lid conveniently doubles as a work bench or desk for medical IT staff or triage data entry.



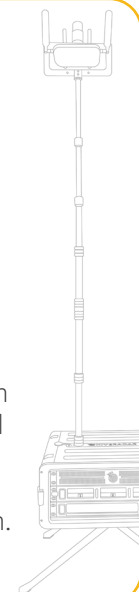
Ultra-Portable & Rugged

The smallest 4U rugged chassis can be deployed by a single person. Its durable, compact design ensures it withstands transport and operation in challenging environments.



Ecosystem for Field Life

Includes deployment legs and a carbon fiber pole with mounting bracket. Optional wheels and off-grid power gear available to create a fully self-contained solution.



USE CASE SCENARIOS



- Hospital **parking lots** transformed into triage and treatment centers.
- Mass casualty and **disaster relief sites** requiring immediate secure network and compute.
- Seasonal or **rural health programs** needing temporary, full-featured IT infrastructure.
- Temporary field hospitals and **triage centers** for immediate patient processing and record-keeping.
- Pandemic overflow zones or **vaccination pop-ups** requiring secure data management and connectivity.
- Mobile clinics and **emergency coordination hubs** for localized operations.
- **Remote field operations** during disease outbreaks or natural disasters.
- **Pop-up clinics** in under-served areas with limited existing infrastructure.
- Network failover and **mobile EHR support** during local emergencies or system outages.

CONCLUSION

When the pressure is high and infrastructure is low, the HiveRadar Portable-EDC empowers healthcare teams with **instant, reliable IT** - on the ground, off the grid, and always connected-

Because preparedness should Never stop at the hospital door.



Triage faster.



Connect smarter.



Treat patients
- anywhere.

CONTACT US

TO SCHEDULE A DEMO

or learn more



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CONNECT.
COMPUTE.**

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11-2025-Healthcare-CKv1