

Medical Imaging & Remote Healthcare

Remote clinics and field hospitals must often operate in bandwidth-constrained environments while needing access to large medical imaging files like MRIs and CT scans. Edge storage supports the secure and fast retrieval of this data, ensuring timely diagnosis and treatment.

Key Benefits

- > **Faster Diagnoses:** Provides immediate access to imaging files for quicker patient evaluation.
- > **Resilient Care Delivery:** Enables continuity of care even when internet access is limited or unavailable.
- > **Secure Patient Data:** Keeps sensitive medical information protected and localized.
- > **Improved Collaboration:** Facilitates sharing of imaging and patient data with specialists via secure networks.
- > **Reduced Latency:** Eliminates delays caused by slow cloud upload/download times.
- > **Compliance Ready:** Helps maintain HIPAA and other regulatory standards through secure local storage.

Intro to Edge Computing

In today's fast-evolving landscape, the need for real-time data processing and actionable insights at the edge has become a critical priority for mission-critical operations. Odin's Edge, powered by Norseman Defense Technologies, is designed to address these demands by delivering scalable, high-performance computing solutions in ruggedized, portable environments. This solution brings unparalleled flexibility, enabling data-driven decisions at the tactical edge while ensuring robust security and seamless scalability.

Core Capabilities:

- > **DICOM-Compatible Storage:** Supports standard imaging formats for seamless integration.
- > **On-Site Imaging Repositories:** Caches recent scans and records locally for immediate use.
- > **Secure Medical Data Encryption:** Protects patient information from breach or loss.
- > **Redundant Storage Backups:** Ensures no data is lost due to device failure or power outages.
- > **Interoperability with EHR Systems:** Integrates with hospital and clinical workflows at the edge.
- > **Edge AI for Triage Support:** Enables AI-assisted diagnosis tools to work offline with local data.

