

Overview

The ECS Edge Connector is purpose-built to meet the demanding connectivity and security requirements of today's healthcare environments. Leveraging private 5G networks, it ensures always-on, high-performance communication while delivering Zero-Trust cybersecurity essential for protecting sensitive patient data.

Designed to separate patient, staff, and device traffic, the ECS Edge Connector enables HIPAA-compliant segmentation, rapid deployment in clinics or mobile care units, and seamless scalability as healthcare networks expand.

Its plug-and-play simplicity empowers IT teams to maintain uptime and security without complexity—making it the trusted edge solution for modern healthcare operations.

Key Features

- **Intel® Atom x7000RE Processor:** High-efficiency, rugged compute power for edge and IoT workloads.
- **Zscaler Zero-Trust Exchange (ZTE):** Cloud-native security stack that protects users, devices, and data—without reliance on legacy firewalls or VPNs.



Healthcare Use Cases

Telemedicine & Remote Monitoring

- Enables secure, high-speed data transfer for virtual consultations and real-time patient monitoring
- Maintains consistent service even during internet outages with built-in 5G cellular failover

Electronic Health Records (EHRs)

- Protects sensitive patient data with integrated Zero-Trust cybersecurity
- Ensures fast, compliant access and transmission of records across care teams and facilities

Healthcare Use Cases

Medical Imaging

- Supports rapid, secure transfer of large imaging files such as MRIs and CT scans
- Minimizes latency to streamline diagnosis and treatment workflows

Mobile & Temporary Clinics

- Deploys quickly in remote, pop-up, or mobile care units with plug-and-play setup
- Scales easily with network needs across multiple facilities or during health emergencies

HIPAA-Compliant Network Segmentation

- Separates traffic between patient devices, staff systems, and IoT endpoints
- Enhances data protection and simplifies compliance without added complexity

Smart Hospital Infrastructure

- Optimizes performance for connected devices like environmental monitors and alert systems
- Reduces downtime, improves operational efficiency, and supports just-in-time care delivery

Reliable, Resilient Network Backbone

- Provides always-on connectivity via 5G for uninterrupted care operations
- Supports real-time communication between clinical applications, EHRs, and IoT devices

Why Use the ECS Edge Connector for Healthcare?

The ECS Edge Connector offers a comprehensive solution for improving 5G connectivity and cybersecurity in healthcare environments. By integrating advanced technology and secure network infrastructure, it helps healthcare facilities optimize performance, enhance security, and efficiently manage patient data.

For more information, visit equuscs.com/ecs-edge-connector-solutions