

Embracing Ethernet

Core Drivers That Are Accelerating the Evolution of Healthcare Connectivity

Healthcare data is exploding, driven by distributed care and telemedicine, Internet of Medical Things (IoMT) devices and rapidly advancing HealthTech innovations.

- The average hospital produces **twice the amount of data** housed in the Library of Congress every year.¹
- Medical imaging comprises up to **90% of newly created hospital data**.²
- Telemedicine, remote monitoring, IoMT devices and AI-assisted medicine are **driving bandwidth requirements**.
- Public cloud adoption rates in healthcare **continue to rise**.
- HealthTech innovations have placed **greater priority on data privacy and network security measures** as vital pieces of HIPAA compliance practices.
- The Healthcare Connect Fund (HCF) can **reduce connectivity expenses by 65%** for rural remote clinics.³

Immediate Priorities for Healthcare IT



Better Security
and Compliance



Increased
Resiliency



Greater Agility
and Scalability



Enhanced
Interoperability



Why **Ethernet**?

Greater Control

- Critical apps controlled and managed internally
- IP addressing and routing controlled by the customer

Scaling Capacity

- Higher throughput
- On-demand bandwidth
- Reduced latency
- Speeds from 100 Mbps up to 100 GigE

Lower Costs

- More coverage across metro and regional footprints
- More cost-effective compared to other options

Strengthened Security

- Device and cloud-based FW/vFW and SSE
- Layer 2

¹Health Tech Magazine

²Forbes

³USAC