



# Healthcare Networking Solutions for Connected Care Facilities

## Enabling Advanced Patient Care Through Reliable, Secure Connectivity

### BUILDING THE FUTURE OF CONNECTED HEALTHCARE

Healthcare organizations rely on fast, dependable networks to support mission-critical medical devices, telehealth services, medical imaging, and electronic health records (EHR)—often across multi-building hospitals, outpatient facilities, and remote locations with limited fiber resources. At the same time, IT teams must manage rising bandwidth demands, strict security and compliance requirements, and constrained budgets while supporting clinical staff, patients, and administrative teams without disruption.

As digital needs continue to grow, healthcare organizations require networking solutions that deliver:

- **Flexible Scalability** – Adapt quickly to rising bandwidth demands, high device density, and clinical-driven traffic without overbuilding fiber.
- **Consistent Performance** – Reduce downtime and improve user experience across operating rooms, imaging centers, labs, and remote care environments.
- **Future-Proof Investment** – Simplify management and ensure broad interoperability that protects technology investments and reduces long-term costs as needs evolve.

### WHY HEALTHCARE ORGANIZATIONS CHOOSE APPROVED NETWORKS

Approved Networks, a brand of Legrand, delivers high-performance optical networking solutions trusted by healthcare systems to scale bandwidth and simplify inter-building connectivity—at a fraction of OEM cost.

Healthcare organizations benefit from solutions that deliver:

- **Network Dependability** – Infrastructure designed to support increasing bandwidth demands and mission-critical clinical and administrative workloads.
- **Adaptability for Growth** – Future-ready designs that extend infrastructure life and maximize long-term value as your healthcare system expands.
- **Engineering Expertise** – Backed by Legrand, Approved Networks invests heavily in R&D to continuously advance fiber-optic technologies to keep your network ahead of evolving demands.

### Popular Products



**100G Transceivers**



**40G Transceivers**



**10G BiDi Transceivers**



**Passive WDM Filters**



**Budget-Friendly Solutions**



**Tailored Solutions**



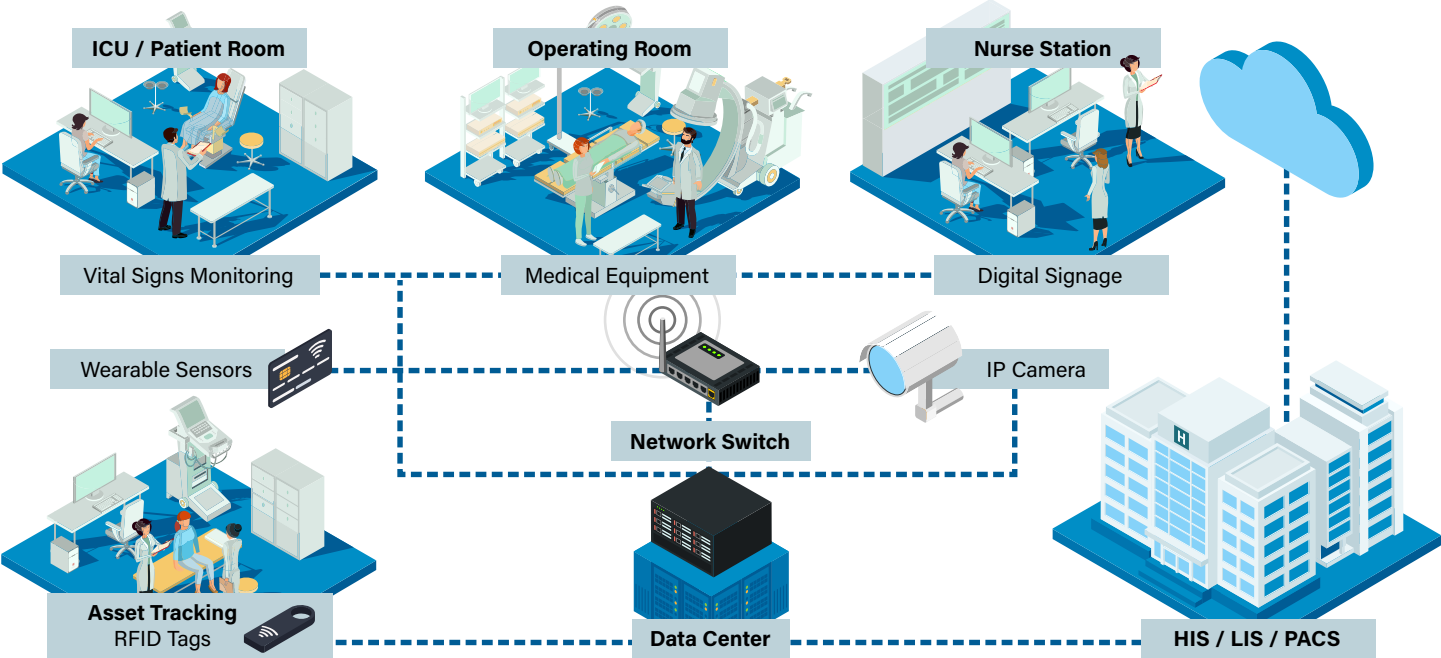
**Expert Technical Support**



**Multi-OEM Compatibility**

HEALTHCARE NETWORK ARCHITECTURE OVERVIEW

Healthcare networks support a wide range of bandwidth-intensive applications, and need an infrastructure that delivers consistent performance, reliability, and security across every building and care environment. Approved Networks solutions impact every layer of the healthcare campus topology, whether connecting remote clinics and specialty centers or upgrading data center storage with high-speed interconnects.



RECOMMENDED FIBER OPTICS FOR NETWORK INFRASTRUCTURE

Approved Networks offers a comprehensive portfolio of transceivers, high-speed cables, and passives—optimized for secure data transmission, long-distance reach, and fiber-efficient inter-building deployments.

| Fiber Optic                  | Max Distance    | Typical Use                                                                                   |
|------------------------------|-----------------|-----------------------------------------------------------------------------------------------|
| 1G SFP Transceiver           | 550m (MMF)      | Access switches, medical workstations, wireless access points                                 |
| 10G SFP+ Transceiver         | 300m (MMF)      | Short-reach distribution links within hospital buildings, labs, admin facilities              |
| 10G LR SFP+ Transceiver      | 10km (SMF)      | Healthcare inter-building and campus connectivity                                             |
| 10/25G SR SFP28 Transceiver  | 100m (MMF)      | Data centers, connecting servers, storage, core switches for EHR and PACS (imaging)           |
| 40G QSFP+ Transceiver        | 10km (SMF)      | Core routers/switches for high-bandwidth links                                                |
| 100G SR4 QSFP28 Transceiver  | 100m (MMF)      | Data center cores, imaging and storage systems                                                |
| 100G CWDM QSFP28 Transceiver | 2km (SMF)       | Healthcare campus backbone and inter-building connections including security and surveillance |
| 10G SFP+ BiDi Transceiver    | 20km (SMF)      | Hospital and clinic interconnects across a wide campus                                        |
| 10G DWDM                     | 80km (SMF)      | High-capacity inter-hospital links                                                            |
| 10G DAC Cable                | 10m (Twinaxial) | In-rack, short connections in labs and data centers                                           |

POWER CRITICAL CARE WITH ALWAYS-ON CONNECTIVITY

Contact our experts to design and deploy a secure, fiber-efficient network infrastructure.