Wireless technology has become critical to healthcare. Wireless devices put a significant demand on a hospital’s network and those demands will soon increase dramatically.

The Number of Wireless Devices is Increasing Rapidly

Within 3 years, there will be 13 networked devices per person (smartphones, iPads, laptops, wearables). That is a 100% increase!

Growth in the number of wireless devices continues to explode:
- 50% of all devices will be wireless.
- 1st time in history wireless will surpass wired connections.

Networks will need to support a 66% increase in wireless devices—moving from 3 billion today, to 5 billion.

When we add in IoT devices like wireless sensors, the number of devices jumps to 29 billion.

A 5G and OnGo wireless network that supports these opportunities will give a competitive advantage in terms of patient care, clinician satisfaction, and critical-care communications.

The 5G + OnGo Hospital

Is Your Hospital’s Wireless Network Ready for the (Near) Future?

5G: A Network of Networks

3 important improvements:
- High speed mobile broadband — Transmit data in gigabytes per second. 4K video and 5G assisted cloud connectivity will become commonplace.
- Massive machine-to-machine communications — Enables low-powered IoT devices on a large scale, leverage thousands of sensors in a smart hospital.
- Ultra Wide Band — 1 ms latency — faster than human optical processing.

OnGo: The Hospital Network of the Future

Like Wi-Fi, but better:
- A private, enterprise-controlled network @ 3.5 GHz.
- Better security, better coverage, better latency, better quality of service.
- Leverages 5G technology, but without a carrier subscription.
- Send large imaging files in real-time, integrate Enterprise IP-PX VoIP, and move your toughest clinical apps to OnGo, eliminating competition with Wi-Fi.

5G and OnGo allow the construction of purpose-built medical wireless networks to support mission-critical applications while leveraging other wireless networks.

We use 3 principles when designing a wireless network for a hospital:

1. Design the network based on application and device requirements. This approach ensures that your network is ready for anything.

2. Leverage the right network. With 5G and OnGo supporting purpose-built wireless networks, we expand the overall wireless capacity of a hospital.


To discuss how 5G + OnGo can help you prepare your hospital’s wireless network for the present and the future, call us at 855-324-9909 or email us at contact@blackbox.com.