

OPTIMIZING YOUR TRANSITION TO 5G CONNECTIVITY

The proliferation of connected devices, whether consumer or enterprise grade are a driving force behind continued digitalization. The expanded connectivity is led by the growth in 5G capable networks and devices. With over 1.5 billion connections worldwide at the end of 2023, 5G became the fastest growing mobile broadband technology in history¹. It is expected to surpass 4G connections by 2029 when more than 50% of connections will be on 5G¹.

WHAT WILL HAPPEN TO 4G?

As companies look to become more connected in all areas of their business, they are beginning to plot their course for 5G adoption. In doing so, they also need to make careful considerations as to what complete solutions partner they will collaborate with to effectively build a 5G solution that is fit for their business.

1

4G Isn't Going Anywhere

With 59% of connections worldwide still using 4G technology at the end of 2023², 4G is going to be with us well into the 2030s in most countries. The benefit for many companies is that this process allows them to take time to deliberately and strategically evaluate how the implementation of 5G-enabled devices will enhance their workflows into the foreseeable future.

2 4G Performance Will Improve

As carriers invest in their infrastructure and networks to support 5G, the performance of 4G networks continues to improve.

3 Uses Cases Built on 4G Will Continue to Exist

Many use cases in the market today, such as turn-by-turn navigation, were built to function on 4G networks. This will not change as the use cases remain the same. Only 5G dependent use cases need the 5G network to function.

4 4G is Cost-Effective

For basic communications and many of the use cases today, 4G provides a cost-effective way to serve the market. It won't make sense to move to a new technology if that will add additional cost.

THREE THINGS TO CONSIDER WITH 5G

With the rise of any new technology, there is a need to understand both its immediate and future impacts. Companies want to move quickly to understand those impacts and how they can leverage them to maintain their competitive advantage. Evaluating their needs today and what those needs look like in the future will help companies determine their optimal transition plan to 5G.

1 5G is One Element of A Long-Term Strategy

A deliberate, strategic, long-term approach to 5G implementation can greatly enhance your business's end-to-end deployment. When your goals and desired outcomes are shared with a collaborative and innovative partner, you will succeed more in your 5G deployment 5G. So, clearly define your path forward and consider your needs to build more sophisticated capability into your mobility solutions.

2 Invest in Long-Lifecycle Devices

Determine the important hardware specifications for your mobile devices and how they will be utilized in your operations. Deploying devices that have a long lifecycle, such as Honeywell devices built on the Mobility Edge™ platform will allow your devices to grow with your operations and reduce the risk of obsolescence.

3 The Roadmap Paved by 5G

As with the mobile broadband technology that came before it, 5G is being released in a phased approach. There is a robust roadmap and clear path forward that brings exciting new functionality with each release. This delivers incremental technological advances built on the previous releases, ensuring the technology is available at the right time and when needed most. Future releases will show new capabilities, such as pervasive, always-on connectivity, rich audio and video communication, real-time status reporting, and deep IoT-driven insights.

WHY HONEYWELL

Honeywell has extensive experience developing mobility devices that keep workers connected whether they use 4G or 5G networks. Let our team of experts help you design a solution that will meet your operational needs today and into the future.

1. <https://www.gsma.com/solutions-and-impact/connectivity-for-good/mobile-economy/wp-content/uploads/2024/02/260224-The-Mobile-Economy-2024.pdf>