

Three Pillars of 5G Bring the Business Experience into the Future



Businesses are leading the 5G revolution, and AT&T* is going to give its business customers a full 5G toolbox. We're the first carrier to publicly lay out what we're making available to help businesses get the most out of this technology. America's 15 million businesses increasingly look to technology to drive outcomes, but their needs range drastically – from connecting a single location, to using networking to connect smart facilities with the latest technologies like artificial intelligence and mixed reality.



This is why our approach to [5G in business](#) isn't focused on just one solution, but instead brings multiple pillars that reflect our customers' diversity and needs. Real solutions that we're bringing to the market today. We're building our networks to allow fiber-based connectivity and LTE to work efficiently in parallel with 5G solutions, maximizing the impact of a business's transformation.

Our standards-based approach comes to life via three main service pillars:

- Mobile 5G
- Fixed Wireless
- Edge Computing

Mobile 5G

LTE ushered in the age of mobilization for the American worker. Almost every business has employees that use mobile devices. Whether it's for employee communication, or for point-of-sale devices, mobile technology is more important than ever.

It is critical that any mobile 5G experience for business allows seamless transitions between Wi-Fi, LTE, and 5G. This is why we will deploy a standards-based nationwide [mobile 5G network in early 2020](#). That network will allow for seamless handoffs between Wi-Fi, LTE, and 5G, virtually anywhere a business customer may go.

So far, we've confirmed plans for two new 5G devices in 2019. In addition to the [NETGEAR Nighthawk 5G Mobile Hotspot](#) we launched in 2018, we're working with Samsung to offer two [Samsung smartphones](#) this year.

In the parts of the 12 cities where our standards-based mobile 5G network is live today, we're working with businesses to create and innovate new experiences. As we expand the network, these businesses are helping us pave the way for the astounding impact 5G will eventually have nationwide.

We also opened a space within in our AT&T Foundry in Plano, Texas specifically dedicated to prototyping solutions for industry verticals. We'll soon be bringing 5G to this space, allowing us to co-create 5G solutions with our customers as well as explore the future of enterprise innovation.

Fixed Wireless

Whether it's for primary connectivity or as a secondary connection to enable reliability, businesses look to fixed wireless solutions to help serve a wide range of needs, like setting up new locations faster.

With a fixed wireless solution, a quick service restaurant could get their point-of-sale devices working the same day they open, and keep their devices connected even if primary connectivity is ever interrupted.

AT&T Business now offers [AT&T Wireless Broadband](#), which has data options and flexibility to help meet each business's specific needs. In the coming weeks, we will offer multiple speed tiers up to 50Mbps. This solution builds on our leading fiber distribution. Nationwide, over 8 million business customer locations sit within 1,000 feet of our fiber, and we connect nearly 2.2 million locations with fiber today.

This current fixed wireless offering helps lay the groundwork for our customers to upgrade and take advantage of AT&T 5G when it's available in their area.



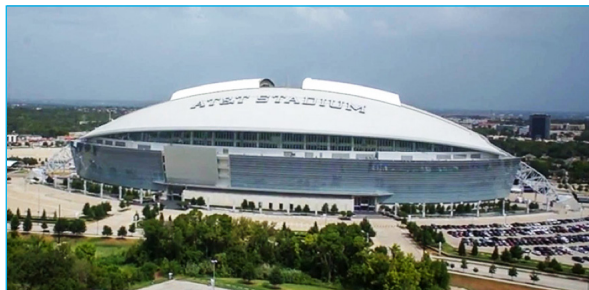
Edge Computing

Edge computing is expected to bring a sea-change in how businesses can use cellular data to massively improve their operations. Edge computing allows businesses to route application-specific traffic to where they need it and where it's most effective – whether that's in the cloud, the edge of our network, or on their premises.

AT&T Business now offers [AT&T Multi-Access Edge Compute \(MEC\)](#). This edge computing solution uses our own software-defined network to enable faster access to data processing, and gives flexibility in how businesses manage their cellular traffic through on-premise hardware and software. With MEC they can process low-latency, high-bandwidth applications closer to where they're used to help create new outcomes and capabilities.

This could mean new machine learning opportunities and more connected devices. Healthcare facilities could process and transfer data-intensive images between devices in the exam room, and transfer that information to the doctor in near-real time. And manufacturers could process connected sensor data and robotic operations on a scale they couldn't before.

Plus, the data that runs through AT&T MEC can be routed to their cloud or stay within an enterprise's private environment to help increase security.



AT&T MEC can be deployed today using LTE or 5G connectivity, for both mobile and fixed wireless applications. Looking at a smart factory as an example, robotic production lines and autonomous forklifts are just two potential uses.

Our recently-announced 5G deal with Rush System for Health includes MEC technology to help reduced latency. In addition, AT&T also announced its testing how to bring [network edge compute \(NEC\)](#) capabilities into the AT&T 5G network with Microsoft Azure.

As we look to the future, edge computing solutions are expected to become available to serve broader metro environments, and will give things like autonomous vehicles, AR/VR and drones new life. We recently announced plans to bring 5G services to [AT&T Stadium](#) with a vision of creating new entertainment experiences that blend the physical and digital worlds.

We're the First to Bring Everything Together for Businesses

AT&T is using these three pillars to help businesses move into the future. They all work together to give businesses the best tools to operate more efficiently, reach new customers, and increase loyalty. We are bringing the business experience into the future with 5G.

"AT&T Business brings solutions to life that allow businesses to innovate and shape the daily lives of consumers," said Mo Katibeh, Chief Marketing Officer, AT&T Business. "Our new mobile 5G, fixed wireless, and MEC services can help take businesses to the next generation of connectivity."

*Based on GWS OneScore Sept. 2018. Excludes crowd sourced studies.