Askey 5G Portfolio

5G: The Catalyst for Edge Computing and Enterprise Transformation

In the ever-evolving technology landscape, 5G stands as a transformative force, accelerating the adoption of edge computing and reshaping industries worldwide. As the fifth generation of mobile technology, 5G is more than just widespread—it's at the core of global tech conversations, driving innovation and digital transformation at an unprecedented pace. Its meteoric rise is evident in adoption rates, with North America projected to reach 92% 5G subscription penetration by 2029—the highest among all global regions.

Enterprise Advantages: Speed, Connectivity, and Innovation

While consumers enjoy the speed boost, 5G's impact on enterprise applications is far more profound, enabling not just improvements to existing workflows but fostering entirely new use cases. At the heart of every enterprise solution is a wireless network—the critical enabler that facilitates seamless communication between mobile devices and business operations.

With its ultra-fast speeds, low latency, and ability to support massive device connectivity, 5G unlocks a new era of operational efficiency. Enterprises can harness its high-speed data transmission for real-time communication and automation—fueling AI-driven analytics, IoT-powered smart factories, and mission-critical applications in industries like manufacturing, logistics, and healthcare. By integrating 5G, businesses gain a competitive edge, optimizing workflows, reducing downtime, and increasing productivity.

Industry 4.0 and the Rise of Edge Computing

The emergence of Industry 4.0, the Fourth Industrial Revolution, has placed 5G at the center of advanced digital transformation in manufacturing and industrial processes. Real-time production demands require immediate data processing at the "edge"—where data is generated—to minimize latency and ensure rapid decision-making.

For instance, detecting a safety or quality issue often demands instant action. Traditional cloud-based data processing may introduce delays, relying on network reliability to send data to enterprise servers before returning actionable insights. Edge computing eliminates this bottleneck, allowing data to remain close to its source, improving security while ensuring swift responses to critical operational events.

5G: The Future of Business Connectivity

As enterprises embrace 5G and edge computing, they are not merely upgrading infrastructure—they are redefining how business is conducted in an era of instant communication, intelligent automation, and secure data processing. In this rapidly evolving digital landscape, 5G isn't just another technology upgrade—it's the backbone of the next generation of industry innovation.

Enter Private 5G

Private 5G is a dedicated wireless network built using 5G technology, but instead of being publicly accessible like traditional carrier networks, it's owned and operated by a specific organization for its exclusive use. It provides high-speed, low-latency, and highly secure connectivity tailored to the needs of enterprises, factory/warehouses, smart cities, events or campuses.

Founded in 1989, Askey Computer Corporation is a member of AsusTEK (Asus) Computer Inc., leveraging 35 years of telecommunication development has created an industry leading portfolio of global 5G and private 5G end-to-end network solutions for modern business environments to enhance their digital transformations. The Askey 5G Private Network Solution ensures secure IoT connections and conscious factory operation technologies, driving heightened productivity and efficiency.

Askey's industrial-grade 5G products offer several advantages, particularly for enterprises looking to deploy an end-to end private 5G networks:

- Low Total Cost of Ownership – Askey's end-to-end 5G private network solutions are designed to minimize costs, making deployment more accessible for businesses.
- Easy Deployment & Management – The Askey Management Platform (AMP) simplifies network setup and monitoring, ensuring seamless integration with existing infrastructure.
- High-Speed Performance & Cybersecurity – Askey's 5G solutions provide ultra-fast connectivity with robust security features, ensuring stable operation and secure data transmission.
- Enterprise-Grade Devices – Askey's end-to-end portfolio includes ruggedized mobile computers, 5G cameras, and Wi-Fi 7 connectivity solutions, catering to diverse industry needs.

For decades, Askey has built integrated solutions that deliver the latest in technology and innovation for partners who need to accelerate and evolve their business to meet todays' data-driven markets. Our legacy as a manufacturer means that our products are dependable, cost-effective, and always up to date with the latest technology. And we support these with customer support that is flexible, quick to respond, and responsive to changes or issues.

Our experience, not only as a leading hardware vendor but also as a leading 5G telecommunications company means that we always know the latest technology and the most appropriate way to put it to work for you. We keep you ahead of the technology, and ahead of your competitors, but also make sure you don't get too far ahead of what is needed with tailored products and solutions that make you stronger than you were before, and larger than your competition expects.

Askey 5G Private Network Solution

01 5G Connectivity Devices

5G/Wi-Fi 6E Mobile Computer
5G Red Cap Camera
5G Dongle

02 5G SA All-in-One Small Cell

SCE-2120 SCU-2050

5G Sub-6 Small Cell

- Qualcomm FSM 10016/56+NPU
- SCE 2120: n48/n77/n78
- SCU 2050: n48/n77/n78/n79
- IP50 (2120) / IP65 (2050)
- Max TX Power: < 30dBm
- 2x2 MIMO
- 32/64 UEs
- GPS/IEEE1588v2
- 2.5G WAN/ 10G SFP+

03 5G Core Partner

Druid

Saviah Connecting Intelligence

ATAYA

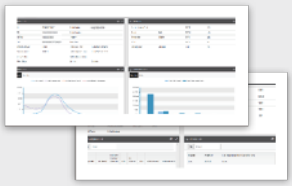
GXC

BLUEARCUS

(Not a complete list)

04 Network Management Platform

AMP Network Management



- Netconf/Yang Model, TR-069, TR-181 and TR-196/TR-262 for Router and Smallcell management
- Init-provisioning for Smallcell
- HTTP/XMPP Connection Request for realtime control
- Customized cellular product management panel