

Seamless Private 5G Connectivity



Elevate Your Operational Performance With Moxa Private 5G Solutions



Reduce management effort and troubleshooting times

5G device life cycle management (DLM) and Qualcomm-licensed troubleshooting tools



High performance and interoperability

Max throughput: 920 Mbps download | 440 Mbps upload



Small size and low power consumption for AGV/AMR

100 x 125 x 35 mm and 8 W average power consumption



Accelerate Your Network Transformation With Our Robust Private 5G Solutions

Private 5G networks are rapidly gaining momentum, poised for a promising future. These networks offer a host of advantages compared to public cellular networks, including better security, ultra-low latency, high bandwidth, and customizable network configurations to meet specific business needs. Industries spanning manufacturing, logistics, and utilities are increasingly recognizing the significant value that private 5G networks have to offer.

As governments worldwide are still preparing the necessary infrastructure for private 5G deployments, implementing such networks can be complex. Solution providers need to cater to diverse demands across different industries. Additionally, developing scalable solutions and industrial-grade 5G devices remains a formidable task.

Designed using our extensive experience and expertise with IT and OT integration, Moxa's CCG-1500 Series industrial private 5G gateways are designed to address your industrial and private 5G networking needs. Featuring a robust design and advanced capabilities, our CCG-1500 5G gateways seamlessly integrate legacy OT devices with your IT infrastructure, unlocking endless possibilities to enhance your operations.

To further optimize connectivity and maximize performance, we offer specialized signal boosters and low-noise amplifiers (LNAs). These dedicated accessories boost signal strength and minimize noise interference for the CCG-1500 Series gateways, ensuring smooth and efficient cellular communications across your entire network.

Moxa doesn't just provide reliable hardware. Our dedicated R&D teams are working around the clock to deliver comprehensive solutions designed to help you enhance the performance and efficiency of your business networks. Our understanding of your requirements helps us translate your networking challenges into tailor-made 5G solutions and services to ensure seamless implementation for your applications.

At Moxa, we are committed to empowering your business with robust private 5G solutions, helping you build reliable and secure wireless connectivity. Explore our solutions and unlock the full potential of your 5G operations.



Industrial Private 5G Cellular Gateways

CCG-1500 Series

- Qualcomm® Snapdragon™ X55
- Dual SIM slots
- 2 auto-sensing Gigabit Ethernet ports
- 1 RS-232/422/485 serial port
- Wide temperature range
- High-throughput performance
- Low power consumption



5G LNA

LNA-1000 Series

- Low-noise amplifier to enhance low-power signal reception
- 10 to 16 dB gain (depending on band)
- 3 dB sensitivity boost in M/H/UHB bands
- Supported bands: N1, N3, N7, N48, N78, N79



5G Booster Preliminary

BST-1000 Series

- Signal booster to enhance Tx/Rx performance
- 27 dBm output power
- 1.5 dB improved sensitivity in UHB
- Supported bands: N78, N48 (CBRS)

Your Trusted Partner in Automation

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things (IIoT). With over 35 years of industry experience, Moxa has connected more than 94 million devices worldwide and has a distribution and service network that reaches customers in more than 85 countries. Moxa delivers lasting business value by empowering industries with reliable networks and sincere service. Information about Moxa's solutions is available at www.moxa.com.

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