



RUGGED LTE & 5G IOT CELLULAR GATEWAYS



G520 Series is the Next-Generation IoT Cellular Gateways Designed for Industry 4.0 and Security Applications.

The G520 series offers LTE Cat 4 and 5G cellular gateways to protect your long-term IoT application investment. Designed for industrial applications with built-in security to help prevent cyber-attacks, the G520 delivers a robust and reliable solution for the most mission-critical applications.

The G520 series devices come pre-enabled with the easy-to-use PercepXion™ IoT Edge Platform cloud platform applications to increase operational efficiency directly. The rugged, compact, highly secure, industrial-grade cellular IoT gateways address the demands of application-specific use cases.

The G520 Series

The G520 Series IoT cellular gateways are available in two application-focused categories, each offering models tailored to specific industrial and security needs.

Industrial

- G526 LTE Cat 4 Ethernet, Serial, I/O, Fieldbus conversion and other industrial protocols

Security

- G527 LTE Cat 13 & 5G, Built-in cryptographic secure element and PSE-PoE
- G528 TAA compliance; 5G, Sub-6 GHz with both LTE cat. 13 (uplink) / cat. 20 (downlink) and 3G fall-back modes

High-Speed Cellular Communication

The G528 gateway delivers 5G connectivity for long-term, future-proof deployments, while the G527 offers a cost-effective solution with LTE Cat 13 uplink and Cat 7 downlink, ideal for high-throughput CCTV applications.

Built-in Security Framework with Lantronix InfiniShield™

The highest level of security for mission-critical applications is key to preventing growing cyber security threats. InfiniShield™ Security is a comprehensive suite of built-in device security, including a secure element chip to prevent unauthorized access of confidential information.

Industrial Design and Protocols

The G520 Series is designed specifically for industrial applications with Ethernet, Serial, I/O, and a protocol conversion suite. Connect virtually any factory equipment or vehicle using fieldbus protocols and CAN Bus.

PercepXion™ Ready

Accelerate your time to market and simplify your user experience — all through a single pane of glass.

The G520 Series comes enabled with PercepXion secure IoT edge solutions platform that provides comprehensive device life cycle management, application integration and data analytics, so you can focus on your business.

- Device Updates provides remote updates at scale using device groups to deliver software enhancements and security patches worldwide, reducing time, effort and cost.
- Device Servicing accesses remote devices in real-time through a secure connection to diagnose issues promptly, reducing critical downtime and costly on-site support logistics.
- Device Monitoring automates monitoring with real-time alerts, enabling rapid identification of critical system issues for proactive remediation, reducing manual oversight.

Perfect For:



Industry 4.0



Security



Infrastructure &
Utilities



Smart City

G520 Series Highlights

- Pre-configured with PercepXion IoT Edge solution platform
- High-speed LTE and 5G support
- Fieldbus protocols conversion suite
- Industrial-grade design
- Secure crypto element

InfiniShield™ Security



- Secure boot
- Secure firmware updates
- Secure storage
- Secure communications
- Secure network attach

X-ON Electronics

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