

Gain Control of Smart Street Light Pole Deployments with GearTrack

IoT Management System
Powered by M.gear US

Global spend on smart street light poles is expected to exceed US\$7 billion by 2028. Leveraging 5G, municipality and utility owned street light poles will be deployed in diverse geographic locations with varying coverage and RF conditions. Having centralized, remote control and management of such a distributed network of smart 5G street light poles is a critical. Additionally, access to intelligent tools that simplify device configuration management and that provide access to the lighting system data analytics could streamline operations.

M.gear offers its leading-edge IoT management system GearTrack with key features such as NAT Traversal, Remotely Device Management, Real-Time Device Monitoring, Real-Time Alarms, Reporting and Analysis, and GPS Tracking. With GearTrack, you can manage your smart street light pole deployments with greater confidence while ensuring safety, security, energy efficiency and cost savings.

GearTrack optimizes network management, deployment efficiency, and boosts productivity. It proactively sends alarm notifications via email or text to minimize network downtime and costs. With real-time data analysis, personalized dashboards, and custom reports, GearTrack enables easy tracking of historical records, IoT device health monitoring, and remote updates.



Customer Scenario

Securely and remotely monitor and manage a network of 5G enabled smart street light poles.

Solution

M.Gear's IoT Management System – GearTrack
Compatible with M.gear 4G LTE AP400 and 5G LTE AP500 IoT Routers. GearTrack provides remote device monitoring, real-time alarms and network reporting.



AP400



AP500

Customer Benefits

- Secure, low-cost wireless broadband access
- Real-time device monitoring and management
- Enhanced 5G smart street light pole availability, energy efficiency and cost savings

M.gear's AP500: an industrial-grade 5G router that serves as a secure gateway for your smart street light poles. Seamlessly integrated with GearTrack via secure APIs, it enables efficient configuration updates even in remote locations. With all-weather monitoring, GearTrack delivers real-time control over AP500 routers, empowering rapid deployment of 5G smart poles for innovative smart city services.

GearTrack empowers customers to extend their support for a wide range of smart city, power, and water utility use cases, such as electric vehicle charging stations, surveillance cameras, advanced metering infrastructure, and other essential municipal assets. By harnessing the capabilities of GearTrack, businesses and organizations can unlock the full potential of their wireless connectivity, enabling them to innovate via an ever-evolving landscape of smart technologies.

At M.gear USA, we're ready to collaborate with you to elevate your business. Our dedicated team of experts is eager to assist you in leveraging M.gear USA products and solutions, ensuring seamless integration and optimal performance. Let's unlock the power of connectivity and achieve unprecedented success together.

GearTrack Features

- SIM Management
- Bandwidth Configuration and Status Monitoring
- WAN (4G | 5G | Ethernet) Configuration and Health Status Monitoring
- Network Usage Monitoring
- QoS and MQTT Configuration
- QoS, MQTT and Device Settings via Remote Bulk Configuration

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