

Connectivity to Power Mission-Critical Police Technologies

CHALLENGE: ALWAYS-AVAILABLE CONNECTIVITY FOR POLICE OFFICERS

As a part of a renewed focus on law enforcement accountability, public safety, and building better relationships with the communities they serve, modern police departments are coming up against challenges when utilizing big data technologies to improve operations and foster transparency and accountability for their officers.

As Police departments implement body cameras, tablets, and upgrade the technology for dashboard cameras, in-vehicle routers that support these technologies are becoming more and more important. But, as the need for these applications grows, public sector IT teams that manage these initiatives are facing bandwidth and resource challenges.

THE PRESENCE OF BODY CAMERAS RESULTED IN A STATISTICALLY SIGNIFICANT DROP IN UNTRUTHFUL COMPLAINTS AGAINST POLICE.¹

¹ White, M. (2014). Police Officer Body-Worn Cameras: Assessing the Evidence. US Dept of Justice.

SOLUTION: UTILIZING IN-VEHICLE NETWORK SOLUTIONS TO STREAMLINE MISSION-CRITICAL APPLICATIONS IN THE FIELD

With 3G/4G/LTE, police vehicles can use the in-vehicle connectivity to power mission-critical applications, not only for reporting, but also for body cameras, video streaming, and dashboard cameras. With ignition sensing, in-vehicle networks can run even while the vehicle is parked, creating networks that are powered by the officer's vehicle.



SUCCESS STORY: MEDFORD POLICE DEPARTMENT

Wireless connectivity provides a means to securely stream video “in the moment” to dispatchers with real-time updates on officer safety. Wireless also frees up camera systems of the storage limitations that would otherwise be placed on them by the availability of local storage media, allowing video to be compressed, encrypted, and sent to dispatch centers to inform command units of the whereabouts and operations of their officers during a call. These applications can give police departments greater granularity on how to use and store videos – allowing them to send and save tamper-proof copies to third-party audit companies.

CRADLEPOINT ADVANTAGES:

- + **Remote monitoring, maintenance, and updates** – Wireless networks require constant management. When the network is always in motion, consistent physical access to equipment is impossible. Cradlepoint's cloud-based management software makes it simple to configure, deploy, and maintain public sector fleet networks.
- + **Designed for mission-critical networks** – Cradlepoint's COR family of products are compact, ruggedized 3G/4G networking solutions designed for mission-critical connectivity for M2M and in-vehicle applications.
- + **Protects against extremes** – With an extensive list of safety and hardening certifications, the COR IBR1100 is engineered to protect against extreme temperatures, humidity, shock, vibrations, dust, water splash, reverse polarity, and transient voltage.

SUMMARY:

The rate of technology changes for the public sector can be overwhelming. It is essential that law enforcement executives stay current with the ever-changing landscape and what these technologies can do for their agencies. With Cradlepoint, departments can have peace of mind that they have a technology partner that is capable of running their mission-critical applications.

The Medford Police Department provides public safety services to the town of 75,000 in southern Oregon. Medford depends on wireless connectivity to help its officers carry out law enforcement activities. Officers use computers to run driver background checks, verify vehicle registrations and licenses, issue citations, and receive their dispatch orders from police headquarters.

Medford relies on Cradlepoint to provide dependable wireless connectivity to help officers carry out these law enforcement activities. The department began installing the Cradlepoint COR IBR600 in its cruiser fleet. One of the first improvements was in network uptime. In the past, Medford's wireless networking devices were battery powered, made of plastic, and came with only the most basic network management tools. Cradlepoint's solution is wired directly into each cruiser's power system, is made of metal, and is backed up by the power of Enterprise Cloud Manager.

“Cradlepoint gives us an enterprise-grade, public safety-grade solution that we think delivers the best functionality to our police officers and the best return on investment for taxpayers.”

– PAT ROAM, CITY OF MEDFORD SAFETY SYSTEMS ADMINISTRATOR

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