

## Smart Locker Connectivity Management



### Reliable Connectivity for Intelligent Mail Receptacles

Retail and logistics organizations look for ways to provide their customers with an array of value-added services. Smart lockers have become a fantastic way for local, national, and multi-national companies to offer clients the convenience of picking up mail items, groceries, and packages on their own schedules from secure locations. Located in retail outlets and residential buildings, smart locker systems protect packages from theft, damage, and spoilage, while giving customers the option to retrieve parcels without needing to adjust their busy schedules.

#### The Challenge | Unreliable Connectivity Options at Locker Sites

The main selling point of smart lockers is their 24/7/365 availability. For this reason, frequent outages cause customers to cease using them, as they become less convenient. Maintaining a consistent Wi-Fi connection presents a challenge to many global mail companies offering smart lockers to their customers. In the past, each locker site required signing on with local internet providers, which was not only difficult to coordinate, but hard to manage operationally and fiscally. In other instances they utilized Wi-Fi connections available from business or facility owners, but it presented a fairly serious security concern, as the data over these networks is not always encrypted.

#### The Solution | Smart Connectivity and Management with AirLink

Some organizations initially attempted to leverage RFID and IoT technology for their smart lockers. But limited coverage from partner networks meant they needed different SIMs and arrangements for each separate site with no backup options like cellular failover. Implementing Sierra Wireless AirLink RV50X routers and AirLink Management Services (ALMS) gives global mail and logistic operations a reliable multi-carrier solution for always-on connectivity. With this solution from RTO, smart locker operators can troubleshoot outages and other issues from a single dashboard. Dual SIM functionality provides the flexibility companies need to provide the best customer experiences possible.

#### The Results | Improved Uptime with Seamless Connectivity

AirLink RV50X routers and Mobile Mark LMW302 antennas from RTO, when combined with Sierra Wireless Smart Connectivity, provide our clients the ability to successfully manage and deploy smart lockers worldwide. The RV50X is easy to install, especially when pre-configured and activated by our team, making it ideal for quick deployments. With Smart Connectivity, if one network fails at a locker site, its router switches networks automatically to provide the seamless experience clients expect.

#### The Team | Device Provisioning, Activation and Installation Services

For over 17 years, RTO has provided expert connectivity solutions to businesses that provide retail and logistics operations solutions for business and mission-critical connectivity applications. Our engineers and install teams assess your needs and engineer customized solutions — allowing you to provide your clients hardware and software to meet their exacting needs and requirements.

#### Industry Profile

- Transportation
- Logistics

#### Technology Solutions

- AirLink RV50x
- AirLink Management Service
- Smart Connectivity

#### Targeted Results

- Real-Time Data
- Fast Global Deployment
- Ruggedized Devices



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