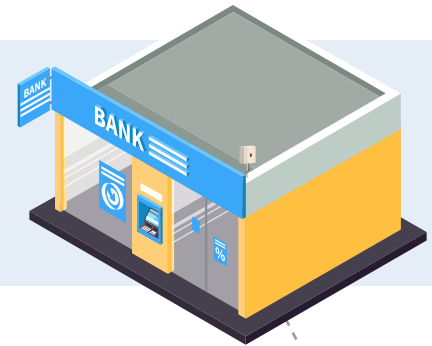


# FINANCIAL INSTITUTIONS PREPARE FOR 5G FUTURE

## Hardware Upgrades for Banking Operations

The cellular networks financial institutions use to transmit their secure client data are ever evolving. Because of this, the hardware enabling connections to those networks must evolve as well. As many carriers prepare to sunset their 3G networks, banks and credit unions are moving quickly to examine options to upgrade to 4G and beyond.



### Challenges Faced | UPGRADING AGING DATA INFRASTRUCTURE

Financial institutions need solutions that enable near 100% uptime at all their branches to ensure client transactions happen without delay. Upgrading to hardware that delivers the fastest and most reliable internet connections are making this possible for banks and credit unions nationwide. While many of these organizations are transmitting data securely over hard T1 communications lines, they are also looking to install redundant systems that can operate over fast and secure 4G cellular networks in case those hardlines go down.

### Router Solution | CRADLEPOINT E3000 BRANCH ROUTERS

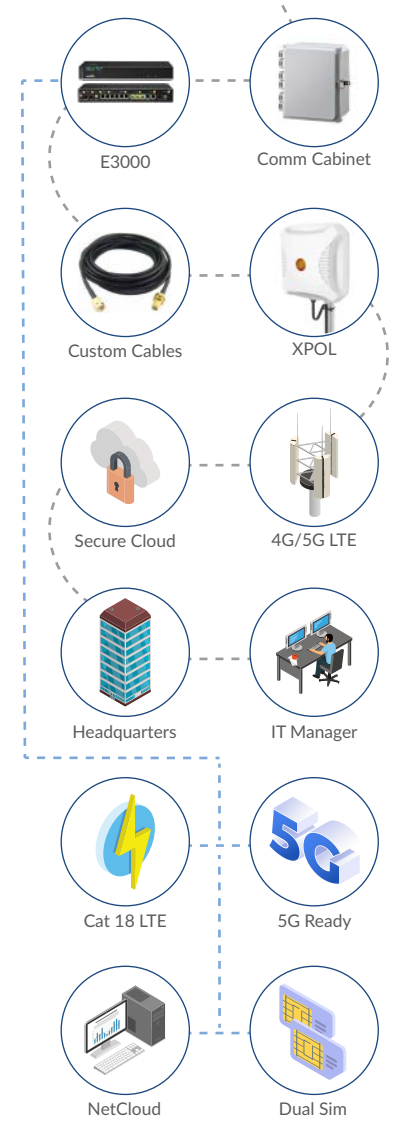
An RTO client was tasked with helping a large credit union with dozens of locations select the right hardware and configure it to work within their existing network infrastructure. The bank wanted to replace their existing T1 modems and 3G cellular routers with an all-in-one solution capable of utilizing their current fiber connections while also providing cellular failover. RTO was able to help them select the **E3000** - enabling 4G speeds today with capabilities for 5G as those networks become available at individual branch locations.

### Antenna Solution | POYNTING XPOL-2-5G ANTENNAS

With their new 4G routers, their client was also looking for a way to boost cellular coverage at each branch location. Just like the router solution, the new antennas would need to expand 4G connectivity today, and provide 5G capabilities once available at each branch. For that, RTO was able to recommend a variation of the Poynting **XPOL-2-5G** antenna, purpose-built to military specs and capable of withstanding harsh outdoor conditions.

### Field-Tested Results | FASTER MORE RELIABLE CONNECTIVITY

RTO was not only able to help select and provision new hardware through their extensive **DevProv+** suite of services, but were able to custom cut and crimp the cabling to their exacting requirements, provide rapid on-site installation, and ongoing hardware support. Branches saw instant increases in connection speed and reliability, and also gained the ability for automated event reporting and over-the-air device registration, configuration, and management with their new NetCloud Branch plan.



4G/5G Router: <b>Cradlepoint E3000</b>	4G/5G Antenna: <b>Poynting X-POL</b>	Device Software: <b>NetCloud Branch</b>
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