

ATM OPERATORS PREPARE FOR 3G SUNSET

Hardware Upgrades for Automated Banking Equipment

The cellular networks ATM operators and manufacturers use to connect clients to highly secure banking data are constantly evolving. As a result, the communications hardware embed within and attached to these machines must evolve as well. As cellular carriers sunset their 2G and 3G networks, organizations in the financial services sector are exploring options to upgrade to 4G and beyond.



Challenges Faced | UPGRADING LEGACY EQUIPMENT

Mobile automatic teller machines depend on cellular networks to connect clients to their banking data. Slow and intermittent connections can lead to customer frustration and abandonment. With the majority of 2G networks off-line, and many 3G networks soon to follow, those who operate and manufacture ATM equipment are in need of immediate updates to their cellular hardware. Many of these organizations are also looking to install systems capable of redundancy, that operate over fast and secure 4G cellular networks.

Router Solution | DIGI IX10 CELLULAR ROUTERS

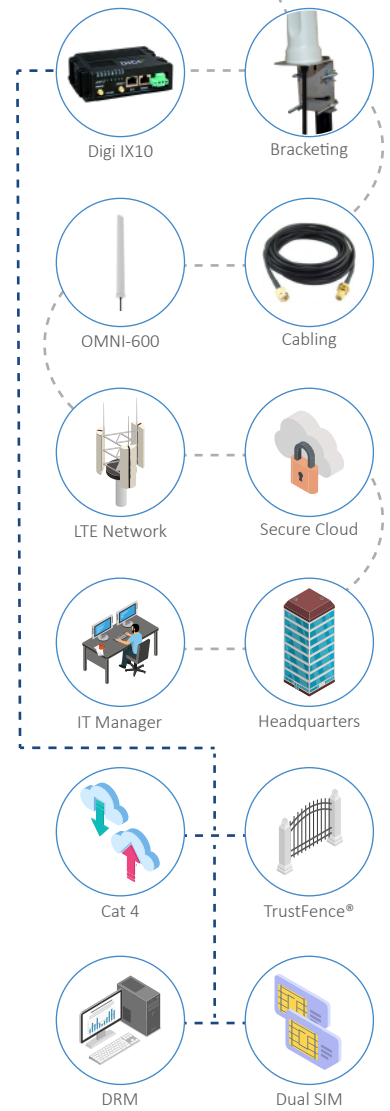
Several banking organizations have reached out to the solutions experts at USAT to help guide their selection of new hardware, and help them configure the hardware to operate within their existing network infrastructure. They needed faster cellular routers that were capable of providing cellular failover at LTE speeds. USAT recommended the **Digi IX10** cellular router - complete with an embedded CAT 4 modem and dual-sim functionality.

Antenna Solution | POYNTING OMNI-DIRECTIONAL ANTENNAS

Not every ATM in operation was located in an area with great cellular coverage. They reported that customer abandonment rates were higher at those teller machines, and asked if USAT had a solution for this issue. For that, USAT was able to recommend a variation of the Poynting **OMNI-600** antenna- a durable omni-directional antenna capable of boosting signal strength within both indoor and outdoor environments.

Field-Tested Results | FASTER MORE RELIABLE CONNECTIVITY

Each financial service company enlisted our **DevProv+** suite of services to help kit out and provision all their new hardware. Cables were cut and crimped to fit their exacting specs, on-site installation services were deployed, and they received ongoing support for every new device. Their IT departments observed near-instantaneous boosts in connection speed and reliability at each ATM that was upgraded. And with Digi Remote Manager® software, they gained the ability to automate event reporting and perform over-the-air device registration, configuration, and management.



LTE Router:
Digi IX10

LTE Antenna:
OMNI-600

Device Software:
Digi Remote Manager®

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