

CELLULAR ROUTER FOR FAIL-SAFE ATM NETWORKS

HIGHLIGHTS

- ✓ With the number of ATMs worldwide being on a steady rise year after year, ensuring a fail-safe backup connection to your ATM network, regardless of location, is critical.
- ✓ The RUTX09 industrial cellular router by Teltonika Networks comes ready for deployment with two SIM card slots, auto-failover, backup WAN, and other switching scenarios for your ATM networks.
- ✓ This 4G router boasts cellular speeds of up to 300 Mbps with carrier aggregation, 4 Gigabit Ethernet ports with up to 128 port/tag-based supported VLANs, and robust remote access and management capabilities, making the RUTX09 perfect for your ATM network solutions.

THE CHALLENGE – THE ATM NETWORK DREAM LIVES ON

As of 2023, 90% of central banks worldwide are developing a central bank digital currency (CBDC), with 76% of countries working on a retail CBDC. However, 1.4 billion people today don't use banks. That's over 20% of the world's population. Indeed, whether becoming a [cashless society](#) is inevitable or not is debatable, but what's certain is that more people using bank services is a prerequisite for that outcome.

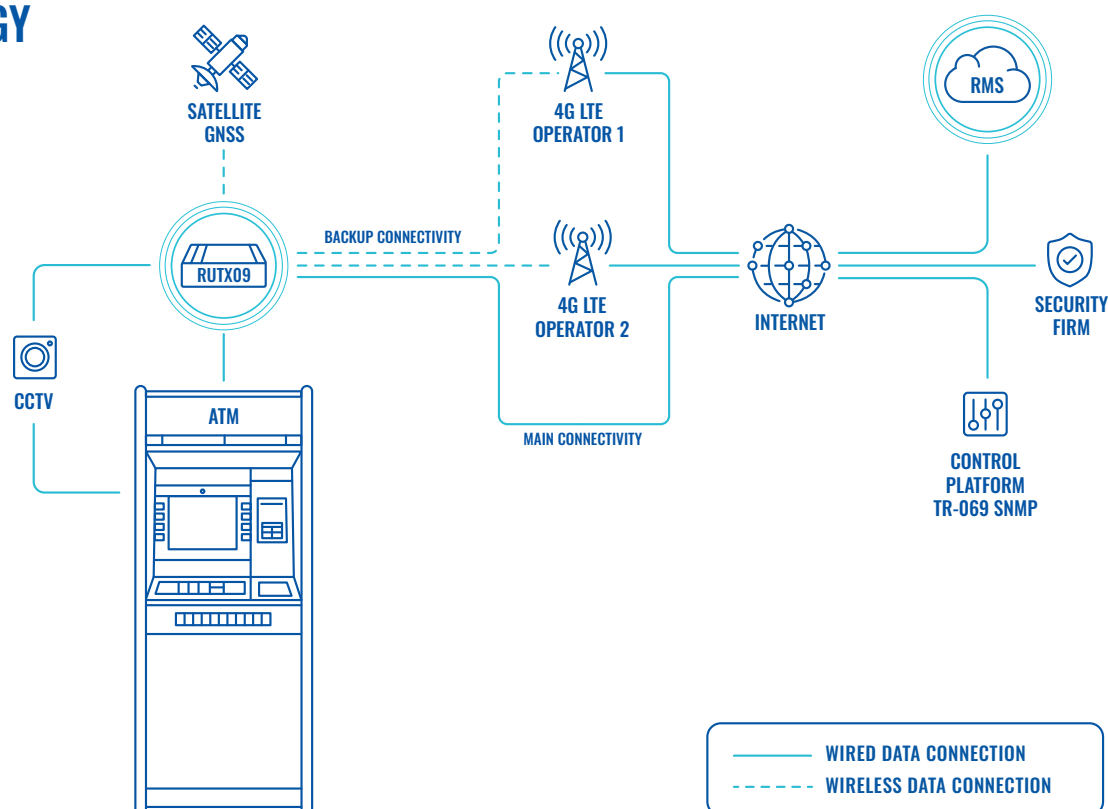
This is why ATMs aren't going anywhere. In fact, the number of active ATMs globally [has been on a steady rise for years](#), and their deployment continues to vary greatly in locales: shopping malls, gas stations, convenience stores; the list is virtually endless.

Many of those locations are remote or simply don't have the infrastructure for the stable Internet connection ATMs need to function and maintain their security standards. VSAT communication is still expensive, and DSL is a staple in some countries and a luxury in others.

But let's say all the stars align and you do manage to get a secure wired connection going. Smart retail at its finest, right? Not so fast.

Any interruption to the ATM network and the resulting downtime represents a significant loss of profit, both from lack of service to your clients and the time and effort spent by your engineer to travel to the ATM's site for troubleshooting. Compared to the average profit lost in such common cases, the cost of ensuring a backup connection becomes so trivial that no one could argue against it with a straight face.

TOPOLOGY



THE SOLUTION – FAIL-SAFE CELLULAR ROUTER

Ensuring a backup connection to ATMs starts with the RUTX09 industrial cellular router by Teltonika Networks. This 4G router comes ready for deployment with two SIM card slots, auto-failover, backup WAN, and other switching scenarios. This makes it so interruptions don't result in network downtime, as the network would simply immediately switch to a backup connection.

The connection itself enjoys this cellular router's LTE Cat 6 capabilities and cellular speeds of up to 300 Mbps with carrier aggregation. Enabling this are the RUTX09's 4 Gigabit Ethernet ports with up to 128 port/tag-based supported VLANs.

This 4G LTE router can be mounted on a DIN rail quickly and easily, allowing for simple installation. Once installed, its sturdy aluminium housing will ensure the device will withstand extreme temperatures from -40 °C to 75 °C and humidity levels ranging from 10% to 90% non-condensing. This makes this cellular router fit for any commercially viable environment, like necessary gas stations in subarctic, tropical, or arid parts of the world.

When you have a fleet of RUTX09 cellular routers deployed over a large area, remote and secure management of both these routers and the ATMs themselves is paramount. The RUTX09 comes with GNSS functionality and is supported by the [Remote Management System](#) (RMS) of Teltonika Networks.

RMS equips you with robust remote access and management capabilities, including direct and secure access to end equipment via RMS Connect. This enables effortless firmware updates, troubleshooting, and data reports, and fully-customised alerts and automation schemes.

The RUTX09 4G LTE router is an affordable way to simplify smart retail solutions like ATM networks and ensuring both a fail-safe backup and an uninterrupted connection.

