

# IOT GATEWAY FOR REMOTE MANAGEMENT OF INTERACTIVE KIOSKS

## HIGHLIGHTS

- ✔ A tourist interactive kiosk is a digital touch screen terminal that provides visitors with information, maps, and services about local attractions, accommodations, and activities.
- ✔ Interactive kiosk management has much to gain from remote management capabilities, but that requires an IoT gateway with robust and reliable connectivity, yet small dimensions to fit tight space.
- ✔ That's where our IoT gateway, the TRB160, enters the conversation – providing uninterrupted LTE Cat 6 connectivity reaching speeds of up to 300Mbps with carrier aggregation.

## THE CHALLENGE – SIGNING UP FOR BETTER CONNECTIVITY

In a world where attention is the new currency, digital signage emerges as a game-changer, transforming static spaces into vibrant canvases that captivate audiences with real-time content.

The digital signage market has reached [\\$26.76 billion of revenue in 2023](#) and is expected to grow at a CAGR of 8.1% from 2024 to 2030.

An example of digital signage can be found in tourist interactive kiosks. This type of interactive kiosk can serve two functions: as an advertisement screen and as an interactive information platform that appears after a user interacts with the screen. These kiosks provide maps, event schedules, and recommendations tailored to tourist preferences, enhancing their experience.

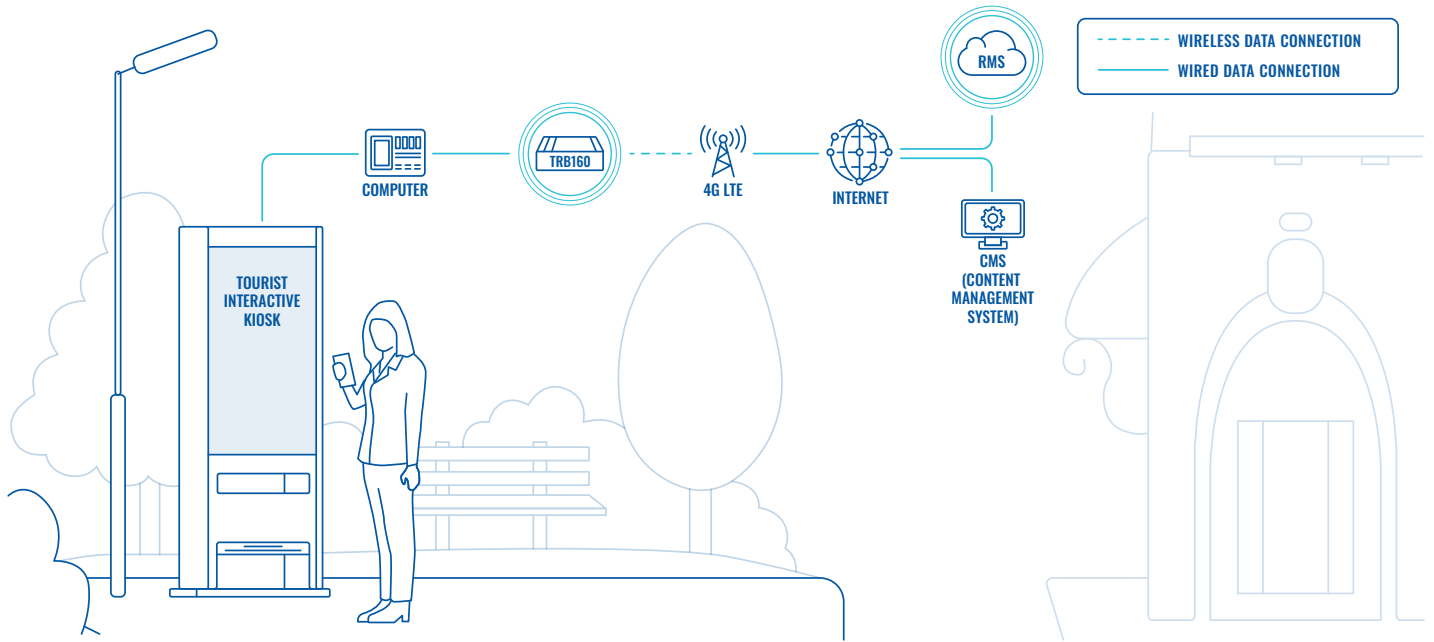
With growing revenue comes an increased number of interactive kiosks for tourists, and with them – a headache for engineers to travel to remote rural areas to complete maintenance works and fix malfunctions and connectivity disruptions.

Not only is this costly, but also very impractical and sometimes even comical. What if the issue that needs fixing is so minor that it could be solved with a few clicks remotely?

Moreover, in order to place an interactive kiosk in a remote location, cellular connectivity is a must. This automatically calls for a reliable networking device to provide it.

Sometimes, the answer you're looking for is just around the corner. Ladies and gentlemen, meet the Teltonika TRB160 IoT gateway!

## TOPOLOGY



## THE SOLUTION – BETTER, FASTER, STRONGER

Enabling reliable and uninterrupted connectivity for efficient media management across the interactive kiosk infrastructure is our TRB160 IoT gateway.

This 4G LTE Cat 6 can reach cellular speeds of up to 300Mbps with [carrier aggregation](#), allowing for faster data transfer and the reliable display of higher resolution media files, such as 4K. Carrier aggregation is a technology available to devices supporting LTE Cat 6 or higher. It allows networking devices to use multiple frequency bands at the same time, improving overall performance.

Included in this IoT gateway's charming personality is compatibility with Teltonika's [Remote Management System \(RMS\)](#). It allows the engineers to access the Cat 6 gateway and all connected end devices remotely, fulfilling remote monitoring and management needs from anywhere, anytime.

The TRB160 IoT gateway also allows the media company to access its content management system (CMS) remotely, thereby enabling and changing the digital screens' content from the comfort of your office, without needing to travel to their location. Moreover, the 4G LTE gateway is connected to the media player via its Gigabit [Ethernet](#) port.

It's also worth mentioning that this Cat 6 gateway is on top of the security game. Equipped with a wide range of VPNs support, including OpenVPN, IPsec, PPTP, L2TP, Stunnel, ZeroTier, and [firewall](#) our IoT gateway is ready to ensure safe connectivity and management of your networking solution.

Lastly, the TRB160 is one of the smallest and most compact IoT gateways you can fit into small and narrow spaces, allowing for easy installation.

So, what are you waiting for? Get yourself a new TRB160 and enjoy the wonders of remote management capabilities for your interactive kiosks!

