Telia Smart Public Transport

Telia Internet Onboard

Increase passenger experience with Wi-Fi onboard

Refine the passenger experience with reliable, readily Internet onboard. Possibility to see when and where most data is used via the cloud-based portal.

Optimize the communication

The Telia Internet Onboard is operator independent, your communication will be optimized via our equipment (including roof antenna) regardless of the radio network you are using. This means that you can offer your passengers a fast Internet connection that is often more reliable and stable than their own 3G/4G/5G phone.

Robust statistics facilitate planning

In addition to a fast, stable connection, you will also receive very detailed statistics about data usage via the cloud-based portal. Making it easier to plan potential advertisements based on when the most people will see them.

Key benefits

– Reliable, stable and fast internet connection
– User-friendly connection the Wi-Fi network
– Intuitive cloud-based customer portal
– Comprehensive statistics of network usage
– Possibility of white labeling websites

How Internet Onboard work

Internet Onboard is a service that runs on the Telia Smart Public Transport platform and is connected via Telia IoT Edge; our powerful onboard edge processor and gateway. Telia IoT edge delivers real-time data to drivers and to the cloud.

The Telia IoT Edge equipped with antenna is installed in the bus. An access point is connected to the device, and together they offer wireless Internet to passengers.

It is easy for passengers to use Internet Onboard. The passenger connects to the onboard Wi-Fi. The name of the network can be chosen by the customer. After connecting their web browsers, they are guided to the company's private portal site, where the user terms must be accepted.
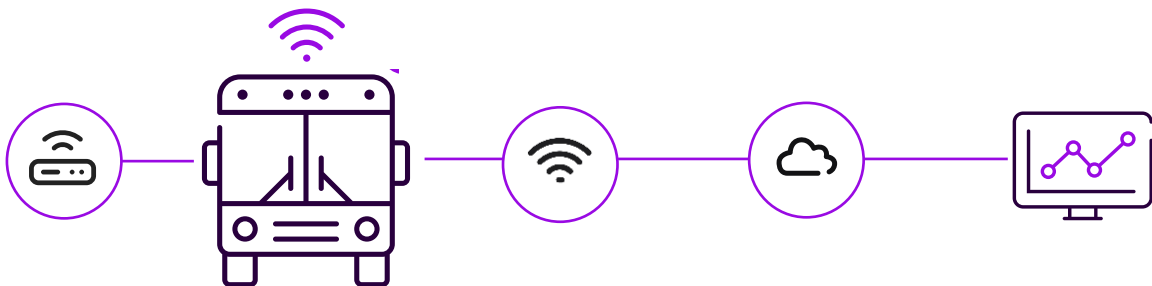
Option to use the generic captive portal or to use a customer branded version. In addition to that we offer whitelisting of web sites to ensure that passengers always can access your website or ticketing system without having to accept terms in captive portal

Configurable data usage

The service can be configured to use unlimited data or a limited quota. When all data is used up, the user receives a new alert that the data pool is empty but will be refilled in one hour. Another alternative to control the network traffic is to use Bandwidth Management to make sure that the available connectivity is evenly distributed.

The Telia IoT Edge unit sends information via the mobile network to Telia's server, where the information becomes available via your internal customer portal, providing you with an excellent overview of the number of logged-in clients and statistics on how much data has been distributed over the last hour/day/week/month.

To ensure security the solution has a separate physical interface on the Telia IoT edge to separate the public Wi-Fi from the rest of the onboard network. The Internet Onboard service is monitored by Telia to ensure high availability and functionality

| Onboard: Telia IoT Edge (MIIPS) | Tela fast and secure connectivity | Telia Smart Public Transport platform and ecosystem | Manage data limits, monitor usage and filter content. |

End-to-end security, reliability & support

Consolidate your IT systems to one open platform

Telia IoT Edge is a powerful onboard computer and edge processor and communication gateway - and the heart of Telia's Smart Public Transport solution ecosystem. It is retrofittable and connects onboard systems and devices to the cloud. This makes it possible to download vehicle data, control, survey, update and configure IT-systems in the vehicle remotely. Telia IoT Edge combines robust, maintenance-free design with reliable and open software and application.

With an open platform, APIs and standards; you can easily integrate your own services – or add third party applications. So you can make the most of whatever the future brings.

Technical components: Telia Internet Onboard

Antenna	
Access point	
Switch	
Onboard unit	Telia IoT Edge (MIIPS)
Portal admin	Web interface admin
Interface passengers	Captive Portal

Telia