

PASSENGER COUNT: UNDERSTAND WHERE YOUR PASSENGERS ARE AND WHERE YOU NEED TO BE AND WHEN



Stay updated on the amount of passengers on the bus or train and how many people use the various stops and at what times. This allows traffic management to receive information in real-time to be able to plan better routes, time tables and quickly add more vehicles if needed.

See how many people get on and off in real time

Keep traffic management updated on the number of entries and exits by providing them with real time data. This allows for an immediate overview where traffic management can see right away if a trip is overloaded. They can then act quickly and provide more buses to avoid major delays.

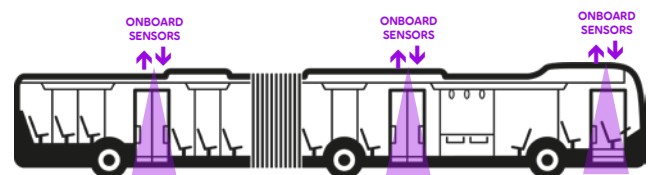
Get an overview of where and when

Thanks to our GPS positioning, you get information about where the vehicle is at the time of measurement. Then you can synchronize with imported traffic information for an extended overview of where most entries and exits occur - sorted by lines, trips, and stops.

This makes it easier for traffic management to monitor the occupancy on various trips, such as: how many people ride on a particular line, which stops are being used, and at what times.

KEY BENEFITS

- Receive real-time data
- Includes time and GPS location
- Use as a basis for monitoring, statistics, or immediate action
- Can be integrated with third party systems
- The counting starts when the door is opened and stops when it is closed





How does Passenger Count work?

Automatic Passenger Count is a service that runs on the Telia IoT 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.

A Telia IoT Edge is installed in the vehicle, as well as sensors that acts as passenger counters that notes whether a passenger is on the way in or out of the bus.

The vehicle's door sensors inform the onboard IoT unit about which doors are open, and the unit then signals the passenger counter to start counting the number of passengers going in/out through the doors in question.

The unit then aggregates the measurements from the passenger counter and sends the aggregated data, including time and GPS location, to Telia's cloud-based server solution via a mobile network. Telia can then pass this information on to your back office system.



CONSOLIDATE YOUR IT SYSTEMS TO ONE OPEN PLATFORM

Telia IoT Edge is an powerful onboard edge processor and communication gateway. 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

Onboard unit

Telia IoT Edge - MIIPS C

Passenger counter

