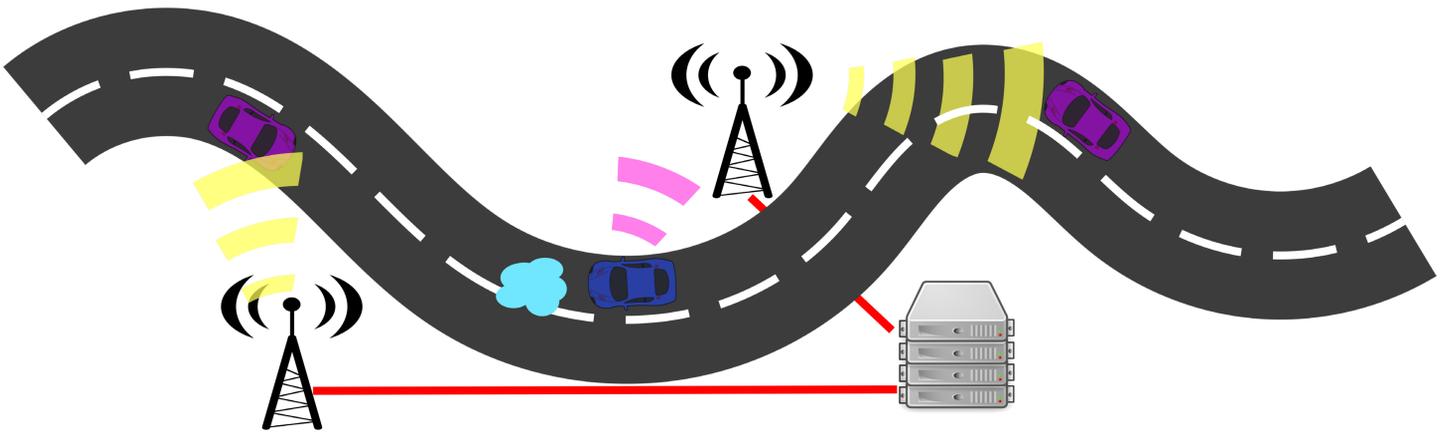
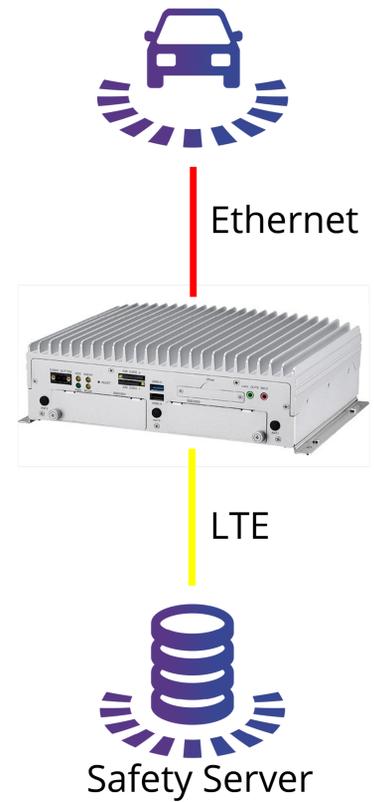


Data Traffic from a Vehicle's Point of View



FLOW OF THE COMMUNICATION SYSTEM

- The frontend captures data with onboard sensors (AP2) and sends the data to the AP1-Box via Ethernet.
- The AP1-Box receives data to forward it to the Safety Server.
 - For reasons of efficiency, only data containing dynamic events is sent immediately.
 - Data containing static information is buffered until the buffer limit is reached or a specific time period is expired.
 - In addition, the quality parameters of the LTE connection like SINR, throughput, speed and position of the vehicle are measured and sent to the Safety Server for aggregation.
- The AP1-Box takes care of providing the data from the Safety Server to the AP2 system.



PROTOCOL STACK

