



BLUESISTM
Bluetooth Based
Traffic Analysis System



BLUESIS™



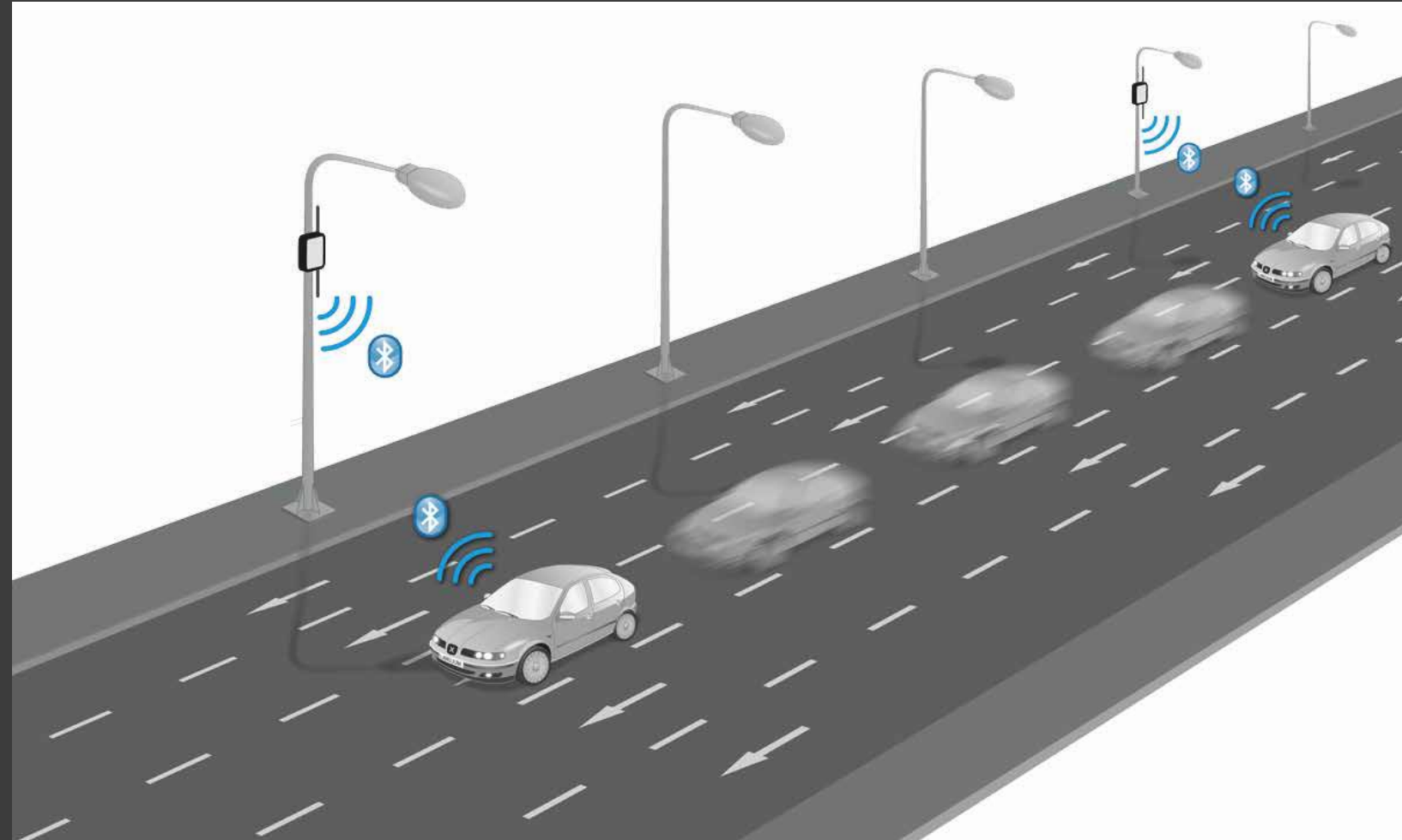
BLUESIS™

Bluetooth Based Traffic Analysis System

BLUESIS™ calculates average travel time and speed between two installation locations in real time. BLUESIS™ can create not only travel times, but also vehicle trajectories and Origin-Destination matrices. It is possible to generate traffic density maps and announce real-time traffic data to drivers via Variable Message Signs, radios or mobile platforms.

BLUESIS™ has the ability of catching and matching unique MAC address of Bluetooth-enabled devices in vehicles which pass through at least two BLUESIS™ locations. Average travel time/speed is calculated by the time stamps of these collected MAC addresses.

BLUESIS™ has bi-directional range up to 200 meters and IP65 enclosure which has maximum performance in all weather conditions. BLUESIS™ can even work with solar energy panels thanks to the low power consumption feature.



Easy Installation and Integration

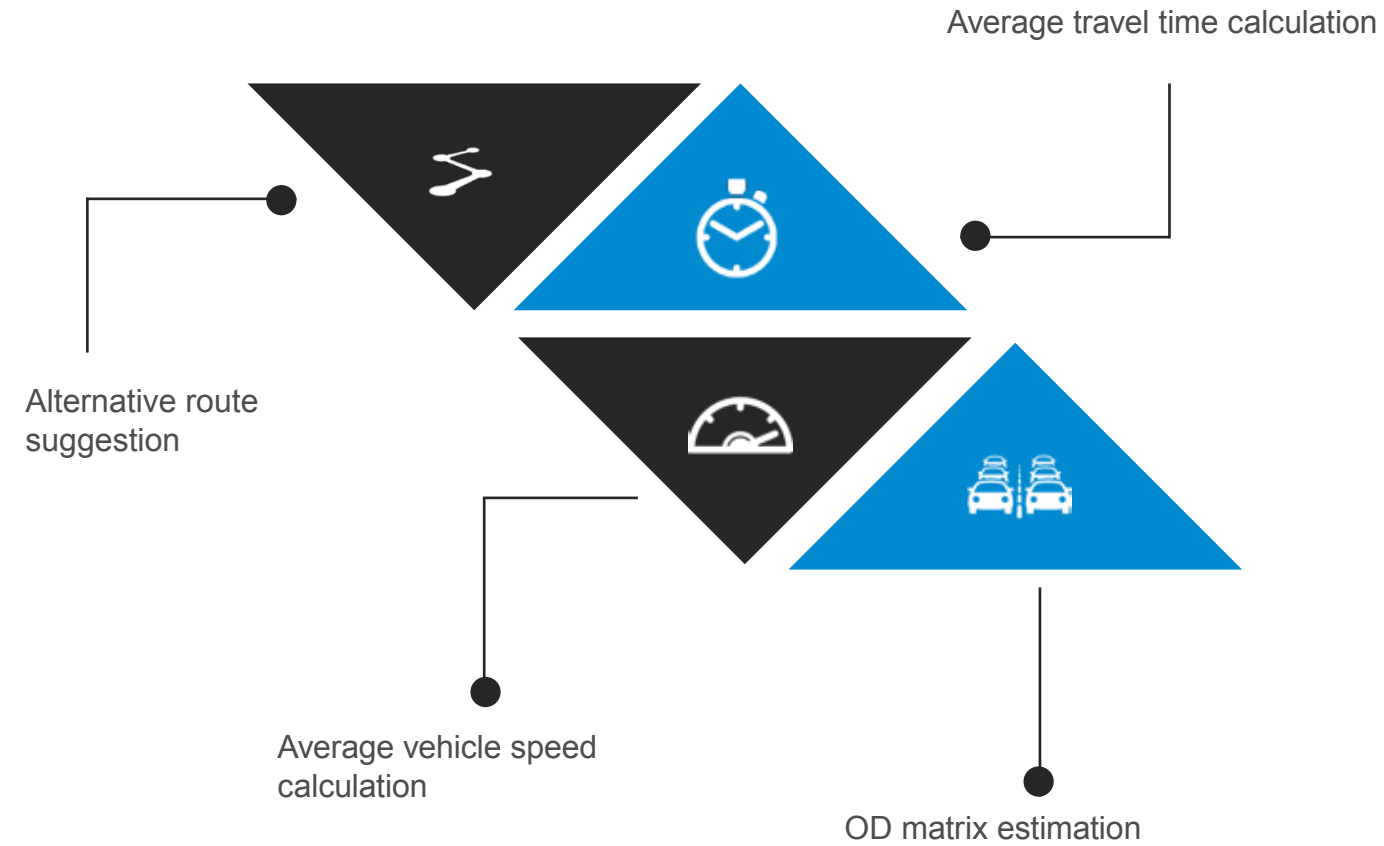
- Remote configuration
- Fast installation without calibration
- Easy maintenance
- Integration with Traffic Control Centers in OCIT/NTCIP standards

Wireless Data Transfer

BLUESIS™ can transmit data wirelessly. Thus, it is not a big challenge to install the system in site locations where the infrastructure is not available. BLUESIS™ also can save collected data onto an SD memory card and prevents data loss in case of failure in communication channels.



BLUESIS™ has an extensive traffic analysis capability, can inform drivers about the current traffic situation, can publish and archive data to use in traffic management and transportation planning.



General

Operation System	Linux Based OS
Detection Distance	Class 1 Bluetooth (200 m range)
Speed Detection	Average speed in every 1 min.
Data Transfer	Integrated GSM Module
Setup	User Friendly Interface

Hardware Features

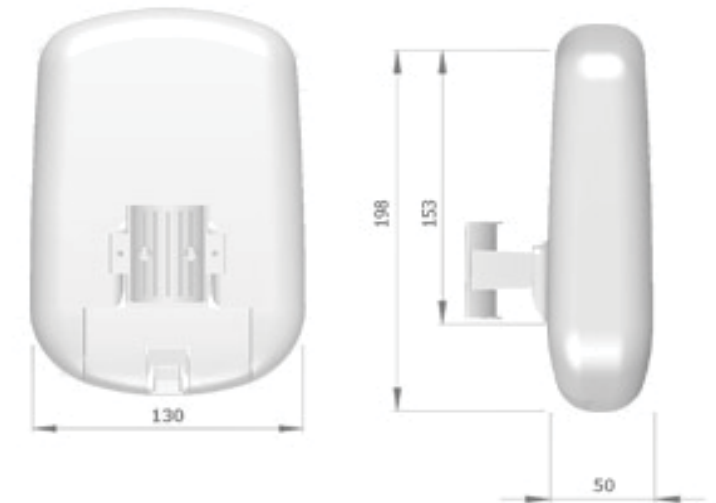
Processor	1 GB ARM Cortex-A8
Side Unit	SPI, I2C, USB ve Dijital I/O Units
Memory	512MB RAM, 4GB Storage, SD Card
Bluetooth	Single/Double Channel
Network	100Mbit Ethernet, GPRS/GSM Quad Band Remote Sensor Access
Operation System	Linux Based OS
Power Input	9-18VDC, 220VAC (5W Power Consumption)

Other Features

Enclouser	IP 65
Operating Temperature	-20 C / + 60 C
MTBF Value	52 Kh
Weight	2.5 Kg

Enclouser Features

Material	Plastic / IP65
Mounting Diameter	40 mm
Enclouser Size	140 x 60 x 280 mm





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