

BT100

Bluetooth
Traffic Detector

BT200

Bluetooth & WiFi
Traffic Detector



Traffic data collection through Bluetooth - WiFi detection

The BT100 sensor is able to detect Bluetooth signals of the devices nearby, while BT200 sensor is able to detect Bluetooth and WiFi signals. In detail, it detects the unique code that identifies the device's bluetooth. The complete system must be equipped with several BT100 or BT200 devices so that, on detection of the same code by two different units, the travel time is calculated. Knowing the distance between two units, the system is then able to calculate the average speed.

BT sensor series are based on a CPU, Bluetooth, and WiFi (only available on BT200) transceivers to which it is possible to connect antennas with different features depending on the installation position.

BT sensor series are suitable for:

- Evaluation of the average travel time between two points of the network
- Evaluation of the average speed between two points of the network
- Creation of origin and destination matrix
- Detection of traffic status

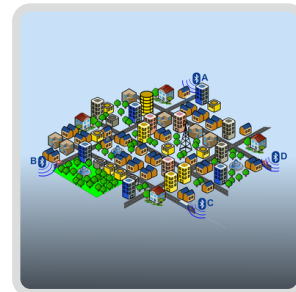
SOFTWARE

The BT sensor series communicates with a central software through wired or wireless (3G/4G) line. BlueView is the Comark recommended software and it is able to provide:

- Units diagnostics
- Reports on travel time and average speed
- Report of Origin and Destination
- User management
- Map



BT100 sensor



BT200 sensor



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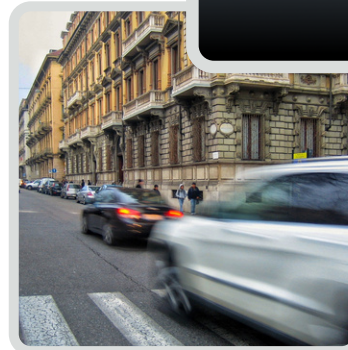
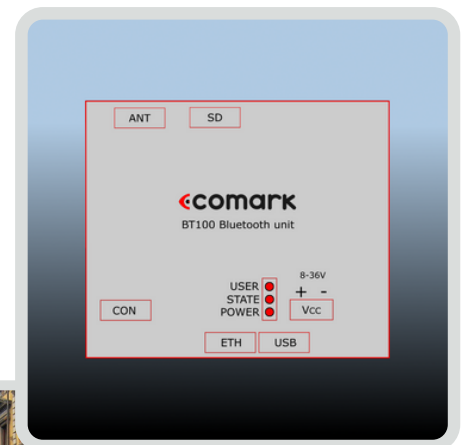
Technology	Bluetooth (BT100, BT200) WiFi (BT200)
Transmission frequency	Bluetooth 2,4 GHz Wifi 2,4 GHz
Dimensions	105 x 89 x 48 mm
Communication line	Ethernet
Power consumption	< 5 W
Power supply	8 or 28 Vdc
Temperature range	-20°C ÷ +50°C

APPLICATIONS

- Traffic monitoring (ITS)
- Data matrix creation
- Traffic status

ACCESSORIES

- CO1010BT Control Unit
- BLUEVIEW Software
- External antenna



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CO1010BT

Control Unit for BT100 & BT200 sensors

comark

Control unit for BT products for outdoor applications

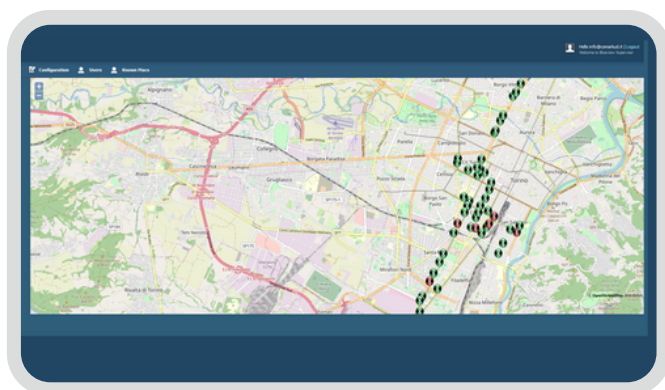
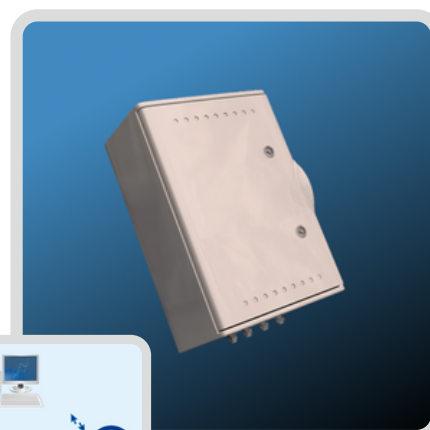
Control unit CO1010BT has been designed to house the BT series sensors for outdoor applications.

CO1010BT is composed by:

- External cabinet dimensions 430x325x185 mm or Internal cabinet dimensions 316x236x128 mm
- Power supply
- External antenna (optional)
- 3G/4G Router (optional)

With the addition of a 3G/4G router, CO1010BT can communicate with Comark's Blueview dedicated software or with other servers through MQTT or NTCIP protocol.

In case of anomalies, a reset is automatically done.



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