ADD:SECURE®

# AddSecure Roadbox

Roadbox gathers vehicle information to make it available for drivers and Transport Management.

AddSecure Roadbox is the central link between the vehicle, the tachograph, the driver and the team in the office. The computer offers sevice for transport managers who want vehicle- and tachograph data in real time to follow the vehicles' daily routes, fuel consumption, driving behavior and to optimize the drive- and resting times.

**Use it with or without a screen**
It has support for connection with screens via Bluetooth and USB. This means a high degree of flexibility since it can be used as a "black-box" (without screen), with a mobile screen (smartphone or tablet via Bluetooth) or fixed screen (AddSecure Vison via cable). Further, Roadbox is compatible with different types of vehicles (HCV or LCV) and most vehicles manufacturer brands.

**Always connected**
Roadbox is constantly linked to Co-Driver Weboffice through our own SIM-card via the mobile network. The servers in the AddSecure cloud are updated with data from the driver, the vehicle and the tachograph to enable our full suite of services for fleet- and transport management.

Roadbox is built on a new and smart architecture that enables improved connectivity, simplified administration and powerful remote diagnostics to reduce the operative costs and improve the up time.

GPS

GSM

*For a safer and smarter world*

## Key features and benefits

- GPS and GSM-modem with roaming for up to 32 countries
- Scalable solution through adding a mobile screen (Bluetooth) or fixed screen (cable)
- Enables vehicle services such as Eco-driving, Drive-and resting times and Tacho download
- Automatic login (requires preregistered/ mapped driver card)
- Powerful online/offline capabilities (buffers data if offline
- Connects with different types of vehicles, tachographs and brands(FMS/CAN)

## Available services

These services are available with Roadbox:

- Positioning, Tracking, Geofencing
- Eco-Driving, Fuel Management
- Drive- and resting times
- Remote Tacho Download
- Start and stop report
- Time Machine

Combine with other products

- AddSecure Vision Fixed or Vision Mobile
- AddSecure  Co-Driver App (via Bluetooth)

## Technical specifications and features

| | |
|---|---|
| **Dimensions (cm):** | 13 X 11 X 3 |
| **Power supply:** | On a range of 6 to 36 V |
| | Reset button within the reach of the driver |
| **Connections:** | Bluetooth connection with internal antennas<br>GPRS: Quad Band modem (2G, 850/900/1800/1900 MHz)<br>Micro SIM Card accessible without opening Roadbox |
| **GPS:** | Compatible with 3 localization systems (GPS/Glonass/QZSS)<br>Active and precise antenna<br>Fast-fixed: positions in seconds<br>Anti-jamming: multi-tone active interference canceller<br>High sensitivity: -167 dBm<br>Horizontal Position Accuracy: < 2,5 m |
| **Interfaces:** | Tachograph D8<br>2 CANbus, 4 digital inputs<br>1 digital output<br>2 RS232 links<br>2 USB 2.0<br>Output 5 V |
| **Memory:** | RAM 512 MB<br>Internal Flash Memory 4 GB (eMMC)<br>SD Card slot to add capacity |
| **Energy consumption:** | About 100 mA@24V (more when radio transmitting, 50 % less in eco-mode) |
| **Processor:** | ARM 800 MHz |
| **Vehicle connection antennas:** | FAKRA Connectors<br>External antennas |
| **Operating system:** | Linux, Remote precise diagnosis and updates |
| **Temperature range:** | -25°C +70°C (operating)<br>-40°C +70°C (in storing) |
| **Electromagnetic compatibility approval (EMC):** | UN ECE 10 (vehicle regulation)<br>ETSI EN 301 489(-1,-7,-17,-24) (radio equipment and services) |
| **Other features** | Auto-diagnosis at start-up marked via LED<br>Accelerometer<br>IP Class: IP 40 (degree of protection) |

www.addsecure.com