



## Enabling secure fleet management has never been easier

AUTOCRYPT's secure fleet management solution covers all aspects of the smart mobility infrastructure, ensuring that everything from the fleet management platform to the secure operation of the fleet is covered. The modular solution can be customized, scaled to suit the service or enterprise's needs.

### Fleet Management with AutoCrypt® FMS

Securely manage and monitor data and resources through machine learning and AI for the best fleet efficiency and profitability. Reliability is ensured through our advanced & secured management system.

#### Real-time management and AI and Machine Learning-based data analysis

Data collection ▶ Secure storage in cloud server ▶ Data classification and processing ▶ Data analysis ▶ Data transfer to service provider

It is critical for fleets to implement comprehensive security to give drivers and passengers assurance, and also to comply with regulations. **AutoCrypt® SOC** provides cybersecurity solutions covering all the components of a vehicle's connections, from internal communications or V2X, and even electric vehicle (EV) charging.

### Security Operations Center (SOC)

Ensure complete security coverage of the internal vehicle system and Vehicle-to-Everything communications for connected and electric vehicles by actively detecting and preventing unwanted access.

#### AutoCrypt® IVS

Ensures that the internal system of the vehicle is secured from end-to-end, detecting and monitoring all communications through the security operations center (SOC)

#### AutoCrypt® V2X

Provides security solution for all components participating in V2X communications, compliant with the latest standards

#### AutoCrypt® PnC

Provides interoperability and mutual authentication with top-level certification authorities for the Plug&Charge process

### PREPARED FOR WP.29?

AUTOCRYPT offers a comprehensive approach to comply with the UNECE WP.29 regulations for cyber security management systems for vehicles (UNR 155). Through consulting and training, to implementation of the security solution, as well as routine testing of the system, manufacturers and service providers can rest assured they will be compliant with regulations.

# FLEET MANAGEMENT

## USE CASES

### Fleet Management Platform

A secure management platform was developed for mobility operators to see ride data and dispatch in real-time. Fleet vehicles utilize proprietary on-board technology for data collection and transfer.



### On-Board Unit

Through **AUTOCRYPT**'s proprietary hardware technology, MDC1-O2B, secure data collection and analysis ensures that mobility service providers are able to monitor data 24/7, seamlessly optimizing services.



Model	MDC1-O2B
Bluetooth	Bluetooth 3.0/4.0
Weight	40.8 g
Dimensions	6.6 cm * 6.6 cm * 3.8 cm
Voltage Range	11.5 v - 15 v
Working Current	< 200 mA
Standby Current	< 3 mA
Temperature Range	40 °C - 85 °C
Humidity Range	5% - 95%

### MaaS Mobile App and Service Development

**AUTOCRYPT** works with service providers to develop mobile applications with easy-to-use UI, ensuring that the service will have easy, accessible UI for both the customer and the provider.



**Macaron Echo**  
EV taxi data platform



**2U**  
Demand Responsive Transport (DRT)  
for passengers with mobility challenges



**Macaron Namu**  
Ride-hailing service for pregnant mothers /  
mothers with infants / toddlers

# SECURITY

## USE CASES

As an on-demand service, MaaS providers will deal with increasing pressure to ensure that services are quick and convenient, but also secure. **AUTOCRYPT** security solutions allow for MaaS providers to offer convenient services along with efficient and comprehensive security management systems.

AutoCrypt IVS with its Security Operations Center (SOC) ensures that traffic through the external and central gateways is secured, blocking any abnormal activity.

With its advanced machine-learning based monitoring and SOC, AutoCrypt IVS ensures secure communications as well as WP.29 regulatory compliance.

