

- ▶ CUSTOM IoT SOLUTIONS
- ▶ DOUBLE QUALITY CHECK
- ▶ HIGH-VOLUME SUPPLY CHAIN & MANUFACTURING
- ▶ E-MARK, CE, EAC, ISO 9001/14001

- ▶ SDK – UNIQUE SOLUTIONS AND ALGORITHMS
- ▶ ONLINE DEVICE MANAGEMENT TOOL
- ▶ CAN DATA OF ALL TYPES OF VEHICLES
- ▶ MQTT BASED DATA TRANSFER PROTOCOL

FMS500 ONE



FMS500 LIGHT



FMS500 LIGHT+



SPECIFICATIONS

Inputs	1 x Digital, I/O, 0-36 V
Outputs	1 x Digital, (-)

SPECIFICATIONS

Interfaces	1-Wire (iButton)
Inputs	4x digital (frequency, impulse counter, I/O modes) 3x analog, 11 bit, 0-36 V
Outputs	2x digital, (-)

SPECIFICATIONS

Interfaces	1-Wire (iButton) RS-232, RS-485, Wiegand 26
Inputs	4x digital (frequency, impulse counter, I/O modes) 3x analog, 11 bit, 0-36 V
Outputs	3x digital, (-)

APPLICATIONS

FMS500 ONE

- Internal odometer
- Track & trace
- Immobilization
- Crash detection
- Eco-driving
- GSM jamming detection
- Overspeeding control
- Geofencing
- Remote output control

FMS500 LIGHT

- SDK* – unique scenarios and algorithms
- Driver identification
- Fuel level sensors
- Fuel flow meters
- Temperature/Humidity sensors
- Crash detection
- Eco-driving
- GSM jamming detection
- Overspeeding control
- Geofencing
- Remote output control

FMS500 LIGHT +

- SDK* – unique scenarios and algorithms
- RFID identification
- Digital fuel level sensors
- Digital fuel flow meters
- Temperature/Humidity sensors
- Crash detection
- Eco-driving
- GSM jamming detection
- Overspeeding control
- Geofencing
- Remote output control

GENERAL SPECIFICATIONS FMS500

* Optional feature

Power supply	8 - 31 V Protection from overvoltage up to 150 V Consumption at 12 V: active: < 50mA, sleep: < 8 mA Registration of power cut-off to device event log Internal battery 210 mAh / 850 mAh / 1800 mAh (optional)	Dimensions	68 x 91 x 19 mm
Internal memory	8 MB, up to 150.000 entries	GSM	Internal high gain antenna
Accelerometer	+	GSM/GPRS Class	10 (up to 85,6 kbit) class B
Internal odometer	+	GNSS	Internal antenna
Operational temperature range	from -40 to +85 C°	Sensitivity	-164 dBm (FMS500 ONE -166 dBm)
		Acquisition	Cold <30 s, hot 1 s. A-GPS support
		Available versions	LTE Cat M 1/2G; LTE Cat 1/3G/2G; 2G

FMS500 StCAN / FMS500 TACHO / FMS500 XtCAN



SPECIFICATIONS

Interfaces	2 CAN lines operating simultaneously: Protocol J1939 (FMS) Protocol J1708 Additional sensors via J1939 protocol SAE-1979 OBDII Direct or contactless connection 1-Wire, RS-232, RS-485, Wiegand 26 bit
Inputs	4x digital (frequency, impulse counter, I/O modes) 3x analog, 11 bit, 0-36V
Outputs	2x digital, (-)

APPLICATIONS

FMS500 StCAN

- SDK* – unique scenarios and algorithms
- 2x CAN-bus lines
- J1939/J1708 support
- Main LCV CAN data
- TPMS (Tyre pressure monitoring system)
- RFID identification
- Digital fuel level sensors
- Overspeeding control
- Eco-driving
- Remote output control

FMS500 TACHO

- SDK* – unique scenarios and algorithms
- Full Tachograph .ddd data online
- Remote .ddd file download
- Company cards hub support
- Advanced driver assistance system (ADAS)
- TPMS (Tyre pressure monitoring system)
- 2x CAN-bus lines
- J1939/J1708 support
- Thermograph support
- Full LCV CAN data
- Navigation system integration

FMS500 XtCAN

- SDK – unique scenarios and algorithms
- Road maintenance machinery support
- Advanced driver assistance system (ADAS)
- TPMS (Tyre pressure monitoring system)
- Full LCV CAN data
- Thermograph support
- ISOBUS protocol support
- Navigation system integration
- Full Tachograph .ddd data online
- Remote .ddd file download
- 2x CAN-bus lines
- J1939/J1708 support
- DTC error codes
- Tamper protection, extended memory*

* Optional feature

ACCESSORIES



IP67 box

With Air-Valve to avoid condensation inside



BLE extender

External Bluetooth receiver



sCAN J1939 / J1708

Contactless CAN-bus reader



Direct tacho cables

Tacho cables for easy installation



FMS cables

FMS cables for easy installation



OBD cables

Plug&play installation
Basic / CAN-bus data



Relays



SOS buttons



Fuel level sensors



Temperature/Humidity sensors



RFID readers



Buzzers