SEYİR

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SEYİR

Seyir Mobile System Inc. is a technology company which was established in 2012 with its own R & D center in the field of vehicle tracking and fleet management systems with the advantage gained from the experience of transportation and logistics sector since 1997.

Why Vehicle Tracking ?

It allows you to save fuel by providing non-working usage and unnecessary idle status information of your vehicle.

By reporting location and contact information, it ensures your vehicle security and prevents theft.

In all compatible brands and models, it reads information such as speed, odometer, fuel consumption, tank level, engine operating hours and engine speed from the CANbus of the vehicle and presents it to the user.

It notifies you for the next action by following the maintenance, service and repair activities of the vehicles.

With the driver recognition system, it increases your control by reporting the driving, break and working times of the drivers.

It allows you to remotely download and store data on digital tachograph and driver cards of vehicles of all compatible brands and models.

Prevent possible accidents thanks to speed control lets you pass.

FM20

- Internal Battery
- CANbus Support
- Tachograph Data Download
- Bluetooth (Standart)
- LTE 4G Support (Optional)
- Tachograph Remaining Ride Tracking
- Remote Update (FOTA)

ST20

- Internal Battery (Pro)
- Engine Blockage
- Driver Recognition Unit
- CANbus Support (Pro)
- Remote Update (FOTA)

SUPPORTED CANBUS STANDARDS

● SAE J1939 ● FMS ● Mercedes CANbus

TSE-HYB CE T.C. TİCARET BAKANLIĞI SSHYB E-MARK ISO: 9001/10002/14001/27001

SEYIR MOBIL

Vehicle Tracking and Fleet Management System Solutions

Reporting Systems

Seyir Mobil vehicle tracking and fleet management system reporting solution is a system that allows you to easily access all the information you need on a single screen, instantly and retrospectively. You can instantly see your vehicle's movement status, fuel level, out-of-hours working status, alarm conditions such as speed violations or unnecessary idling, and report them retrospectively.

In this way, you can access your fleet's track-based operating times, information such as speed, odometer, contact and location, with date detail, and save time and unnecessary costs.

Fleet Management System

This system provides the tracking of periodic maintenance, traffic fines, accident expenses, fuel receipts, breakdowns and all other expenses of your vehicles; It reminds you ahead of time about periodic procedures that need to be renewed at certain times, such as inspection, insurance, and motor insurance. With the Seyir Mobil Fleet Management System, you can save time and keep your maintenance, repair and penalty expenses under serious control without the need for additional costs and programs.

CANbus Integration

CANbus provides communication between computers and sensors on the vehicle. Seyir Mobil reads and presents all the details of the vehicle such as speed, odometer, fuel consumption, tank level, engine operating hours, engine speed in all compatible brands and models to the users. With this information, you can control your fuel costs and analyze the performance data of your drivers, while your fleet management is more comprehensive.

Remaining Driving Time Tracking

This system allows you to access the real-time driving times created by the tachograph in all your vehicles with compatible digital tachographs. It helps you to manage the legally determined daily and weekly driving and rest periods of the drivers in the best way. Thanks to the driver card inserted into the digital tachograph, the daily and weekly driving right, daily and weekly rest time, weekly rest time data created by the digital tachograph can be obtained instantly with Seyir Mobil. Thus, you can prevent accidents caused by fatigue and ensure efficient use of driving time.

Downloading Data from Digital Tachograph

*Due to legal obligation, driver card data must be downloaded and archived every 28 days and digital tachograph data must be downloaded and archived every 90 days.

With our Remote Data Download solution, you can access the tachograph data of the vehicles in your fleet and download them from anywhere. The remote data download solution prevents the time loss caused by downloading data closely, allowing you to perform your management plans faster. You will get rid of possible tachograph penalties and maximize the efficiency of your fleet with instant data display.

DIGITAL TACHOGRAPH BRANDS	VERSION	DATA DOWNLOAD	REMAINING DRIVE
VDO	1.3	✓*	✗
	1.4	✓*	✗
	2.0	✓	✗
	2.0A	✓	✓
	2.1	✓	✓ **
	2.2	✓	✓
	3.0	✓	✓
	4.0	✓	✓
STONERIDGE	7.0	✓	✗
	7.1	✓	✗
	7.2	✓	✗
	7.3	✓	✗
	7.4	✓	✓
	7.5	✓	✓
	7.6	✓	✓
EFAS	4.2 (STG2)	✓	✗ ***
	4.8 (STG2+)	✓	✓
ASELSAN (STC-8255)	1.0	✓	✓

*ASK FOR INFORMATION
**YOU CAN COMPATIBLE WITH THE VDO COUNTER CARD.
***YOU CAN GET INFORMATION FOR LIVE DRIVING COMPATIBILITY

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Temperature Tracking and Trailer Matching

BLE20

It is now much easier to meet your sectoral needs in fleet tracking with the new generation temperature sensor and dorse mating module "BLE20" developed by Seyir Mobil's own R&D and expert engineers.

Thanks to the superior technology of the BLE20 module, which has internal and external temperature monitoring features, the temperature ranges and critical temperature changes of the products you transport in your refrigerated vehicles can be monitored instantly. In addition, with the trailer matching feature, "Which trailer is matched with which truck?" or "Which trailers are empty?" You can answer your questions such as BLE20.

Model	BLE20 (Temperature Tracking and Trailer Matching)
Size	Trailer Matching: 104 x 74 x 38 mm Internal Temperature Sensor: 104 x 74 x 38 mm External Temperature Sensor: 104 x 82.5 x 38 mm
Weight	Trailer Matching: 175~190 gr Internal Temperature Sensor: 175~190 gr External Temperature Sensor: 180~200 gr
Bluetooth	Bluetooth Low Energy 5.0 Output power: +8dBm Broadcast period: 2 second

Internal Temperature Sensor

Temperature Measurement Range:	Between −40°C / +125°C
Temperature Measurement Resolution:	±0.2 (between 0°C / +65°C) ±0.6 (between −40°C / +125°C)
Humidity Measurement Range:	0.01°C
Humidity Measurement Accuracy:	Between 0%RH / 100%RH ±2 %RH (between 10%RH / 90%RH) ±4 (between 0%RH / 100%RH)
Humidity Measurement Resolution:	0.01 %RH

TECHNICIAL SPECIFICATIONS

NFC Support	Available
Temperature/ Humidity Recording	1 year registration opportunity (within 10min recording period)
Software Update	Available (via Seyir BLE Mobile App)
Impermeability	Available (Water and Moisture resistance)
Enhanced Range Increasing Ability	Available (With this feature, the data of the BLE sensor mounted on the door in long trailers is transmitted to the fleet management device via the BLE sensor in
Battery Life	Trailer Matching: 10 Years Internal Temperature Sensor : 8 Years External Temperature Sensor : 8 Years

External Temperature Sensor

Temperature Measurement Range:	Between −55°C / +125°C
Temperature Measurement Accuracy:	±0.5 (between −10°C / +85°C) ±1 (between −30°C / +100°C) ±2 (between −55°C / +125°C)
Temperature Measurement Resolution:	0.0625°C

TAVI (Local)

You can also perform your tachograph data download very easily at the beginning of the vehicle. When you want to download, you can download your data with TAVI (local) attached to the digital tachograph.

In the transaction with the driver card, the card can be downloaded directly by inserting it into the TAVI (local) device, or it can be downloaded via the digital tachograph. The device is prepared for data download by inserting the driver card into the first card slot of the digital tachograph and the company card into the second card slot. Depending on your digital tachograph brand, TAVI (local) is connected to the data download connector and the process is started. After the LED lights flash once, data download from the device is easily performed.

It performs the download process of TAVI (Local), Aselsan, Efas, Pars, Stoneridge, VDO and all brands.

Object Tracking System

Kullanım Alanları

CONTAINER | TRAIN | PALLETIZED MATERIAL | TRAILER | CARAVAN | YACHT

With the new generation Object Tracking System that can be integrated into containers, palletized materials, trains, semi-trailers, yachts and caravans, regardless of the number of vehicles, it allows you to keep track of location information between 5 minutes and 36 hours, depending on your preference, in places where there is no current electricity source.

Fuel Tank Protection Block

The Travel Mobile Fuel Tank Protection Block prevents all possible interventions by being attached to the fuel tank neck. Fuel Tank Protection Block prevents possible fuel theft by providing absolute protection against theft of fuel in the vehicles of companies. In addition, the product is manufactured to withstand all heavy impacts by fuel thieves.

ST20

TECHNICIAL SPECIFICATIONS

CANBUS SUPPORT (ST20 P)	INTERNAL BATTERY (ST20 P)	SIM CARD INTERVENTION ALARM	ENGINE BLOCKAGE	REMOTE UPDATE

Model	ST20 S	ST20 P
Size	65 x 78 x 24 mm	65 x 78 x 24 mm
Weight	63 gram	72 gram
Memory	16 Mb (Max. 7100 Record)	16 Mb (Max. 7100 Record)
Battery	Not Available	Li–Ion 400 mA/h
Feeding	9 – 36 VDC / max.36 VDC 70 mA (Avarage) 200 mA(Peak Point) Over Current Protection Overvoltage Protection Temperature Protection	9 – 36 VDC / max.36 VDC 70 mA (Avarage) 200 mA(Peak Point) Over Current Protection Overvoltage Protection Temperature Protection
GSM Modem	Qectel GSM Quad–Band 850 / 900 / 1800 / 1900 MHz Class 4 (2W @850 / 900 MHz) Class 1 (1W @1800 / 1900 MHz) GPRS Class 12 Mobile Station Class B Coding Scheme 1 to 4 PBCCH	Qectel GSM Quad–Band 850 / 900 / 1800 / 1900 MHz Class 4 (2W @850 / 900 MHz) Class 1 (1W @1800 / 1900 MHz) GPRS Class 12 Mobile Station Class B Coding Scheme 1 to 4 PBCCH
GSM Antenna	Internal	Internal
GPS Modem	Quectel Channel:33 (Tracking) Acquisition: –149 dBm Tracking: –167 dBm Accuracy: <2.5m CEP GPS / GLONASS / QZSS	Quectel Channel:33 (Tracking) Acquisition: –149 dBm Tracking: –167 dBm Accuracy: <2.5m CEP GPS / GLONASS / QZSS
GPS Antenna	Internal	Internal
Sensors	Sim Card Intervention Sensor Battery Voltage Detection	Sim Card Intervention Sensor Battery Voltage Detection
Input / Output	1 x Contact Input 1 x Digital Input (1xPositive) 1 x Engine Blockage (1xNegative) 1 x Driver Recognition Unit	1 x Contact Input 1 x Digital Input (1xPositive) 1 x Engine Blockage (1xNegative) 1 x Driver Recognition Unit
Led Indicators	PWR, GSM, GPS	PWR, GSM, GPS
Software Update	Available (FOTA)	Available (FOTA)

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FM20

TECHNICIAL SPECIFICATIONS

INTERNAL BATTERY	REMOTE UPDATE	ENGINE BLOCKAGE	SIM CARD INTERVENTION ALARM	BLUETOOTH (STANDART)	CANBUS SUPPORT	DATA DOWNLOAD FROM TACHOGRAPH

Model	FM20E	FM20L
Size	105 x 95 x 25 mm	105 x 95 x 25 mm
Weight	125 gram	130 gram
Memory	256 Mb (Max. 16Gb)	256 Mb (Max. 16Gb)
Battery	Li-Ion 400 mA/h	Li-Ion 400 mA/h
Feeding	9 – 36 VDC / max.36 VDC 30–70 mA (Avarage)) 125–250 mA(Peak Point) Over Current Protection Overvoltage Protection Temperature Protection	9 – 36 VDC / max.36 VDC 30–70 mA (Avarage)) 125–250 mA(Peak Point) Over Current Protection Overvoltage Protection Temperature Protection
GSM Modem	Quectel – EDGE 2G 850/ 900/ 1800/ 1900MHz GPRS Data Rate: 85.6 (DL)/ 85.6 (UL) kbps Class 4 (2W) @ 850 MHz/ 900 MHz Class 1 (1W) @ 1800 MHz/ 1900 MHz –109 dBm @ 850 MHz –109 dBm @ 900 MHz –109 dBm @ 1800 MHz –109 dBm @ 1900 MHz GPRS class 12 Mobil station class B Coding scheme 1 to 4 PBCCH	Quectel – LTE 4G LTE Cat 1 LTE–FDD: B1/ B3/ B5/ B7/ B8/ B20/ B28 LTE–TDD: B38/ B40/ B41* GSM(2G): B2/ B3/ B5/ B8 LTE–FDD Data Rate: 10 (DL)/ 5 (UL) Mbps LTE–TDD Data Rate: 7.5 (DL)/ 1 (UL) Mbps GPRS Data Rate: 85.6 (DL)/ 85.6 (UL) kbps –108.5 dBm @ 850 Mhz –108.5 dBm @ 900 Mhz –108.5 dBm @ 1800 Mhz –108 dBm @ 1900 Mhz –98 dBm @ LTE–FDD B1 –98 dBm @ LTE–FDD B3 –98.5 dBm @ LTE–FDD B5 –96.5 dBm @ LTE–FDD B7 –98.5 dBm @ LTE–FDD B8 –98 dBm @ LTE–FDD B20 –98 dBm @ LTE–FDD B28
GSM Antenna	Internal	Internal
GPS Modem	Quectel 99 Channel (Acquisition), 33 Channel (Tracking), 210 Channel (PRN) Acquisition: –149dBm Tracking: –167dBm Reacquisition: –161dBm Accuracy: Position 2.5m GPS, GLONASS, BeiDou, Galileo and QZSS	Quectel 99 Channel (Acquisition), 33 Channel (Tracking), 210 Channel (PRN) Acquisition: –149dBm Tracking: –167dBm Reacquisition: –161dBm Accuracy: Position 2.5m GPS, GLONASS, BeiDou, Galileo and QZSS
GPS Antenna	Internal	Internal
Sensörler	Acceleration Sensor(Optional) Simcard Interference Sensor Cover Intervention Sensor Built–in Device Temperature Sensor Battery Voltage Detection	Acceleration Sensor(Optional) Simcard Interference Sensor Cover Intervention Sensor Built–in Device Temperature Sensor Battery Voltage Detection
Input / Output	1 x Contact Input 3 x Digital Input (2xNegative, 1xPositive) 1 x Digital Output (1xNegative) 1 x Engine Blockage (1xNegative) 1 x Uart 1 x RS232 1 x Drive Recognition Unit 2 x CAN 1 x I2C 1 x Tachograph 1 x Temperature Sensor Port (Max. 4 sensor) 1 x USB	1 x Contact Input 3 x Digital Input (2xNegative, 1xPositive) 1 x Digital Output (1xNegative) 1 x Engine Blockage (1xNegative) 1 x Uart 1 x RS232 1 x Drive Recognition Unit 2 x CAN 1 x I2C 1 x Tachograph 1 x Temperature Sensor Port (Max. 4 sensor) 1 x USB
Led Indicators	PWR, GSM, GPS, BL	PWR, GSM, GPS, BL
Software Update	Available	Available
Bluetooth	Standart	Standart

Driver Recognition Unit

Engine Blockage

Emergency Button

Temperature Sensor

Navigation and Messaging

Door Sensor