SEYİR

SAFE JOURNEY

www.seyirmobil.com

SEYİR

FM20E
v1.0
12225971
866562069953968

HEPSİ
(All)

SON
(Latest)

KART
(Card)

HATA (Error)

08:19 ⊚ 0km/h
94.4km

SEYIR

ABOUT US

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 ?

Save fuel by providing the vehicle with out-of-work and unnecessary idling status.

Protects against theft by reporting the location and contact information.

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

Keep track of your vehicles maintenance, service and repair activities and keep you informed of the next action.

Thanks to the driver recognition system, it increases your control by calculating the driving, break and working times of the drivers.

Compatible with all brands and models of data on the digital tachograph and driver card data, tachograph and driver card data can be downloaded remotely or allows you to download and store.

Speed control prevents possible accidents.

SYR FM20

- Internal Battery
- Remote Update (FOTA)
- Engine Blockage
- Sim Card Intervention Alarm
- Bluetooth (Standart)
- CANbus Support
- Tachograph Data Download
- EDGE 2G and LTE 4G Support

SYR ST10

- Built-in Battery
- Remote Update (FOTA)
- Engine Blockage
- Sim Card Response Alarm

SUPPORTED CANBUS STANDARDS

● SAE J1939   ● FMS ● Mercedes CANbus

Products

SYR FM20
Fleet Management System

SYR ST10
Standard Vehicle Tracking System

NTS20
Object Tracking System

TAVİ
Data Download(Local)

Seyir Mobil
Vehicle Tracking Solutions

Fleet Management System

Fleet management system ensures maintenance of vehicles, traffic fines and all other expenses; It also reminds the periodical operations that need to be renewed in certain periods such as inspection, comprehensive insurance, car insurance. You can access your fleet on all computers, tablets and smartphones connected to the internet.

CANbus

Seyir Mobil reads 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 and provides them to users without deviation. With this information, you can control your fuel costs and analyze the performance data of your drivers while your fleet management is more comprehensive.

Reporting System

Seyir Mobil Reporting Systems is a system that allows you to easily access all the information you need instantly and retrospectively on a single screen. You can instantly see the movement status of your vehicle, fuel level, out of hours working status, alarm situations such as speed violations or unnecessary idling, and you can report it retrospectively.

Remaining Driving Time Calculation

Seyir Mobil Remaining Drive Tracking, allows you to access real-time driving times generated by the tachograph on all your vehicles with compatible digital tachograph. It assists you to manage the legally determined daily and weekly driving and rest times of drivers in the best way.

Downloading Data from Digital Tachograph

Data Download from the digital tachograph is a system that enables the download and storage of data from the vehicle or remotely on all commercial vehicles over 3.5 tons and buses with more than nine seats (including the driver). In accordance with The European Agreement Concerning the Work of Crews of Vehicles Engaged (AETR) and the Road Transport Regulation issued by the Ministry of Transport, it is ensured that the data are downloaded and stored on the vehicle and remotely and the information is presented to the ministry authorities when necessary.
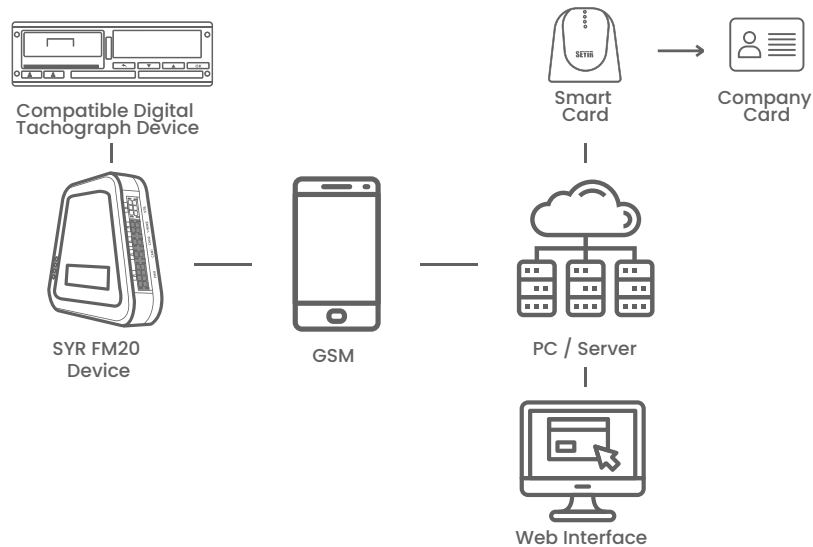
› The data recorded by digital tachographs must be archived in digital media by the authorization certificate holders for a maximum period of three months, including 365 days of data backwards. If the Ministry deems necessary, it can request the relevant data and inspect it on site.

› The data recorded on driver cards by tachographs should also be downloaded for periods of maximum 25 days and archived in digital environment.
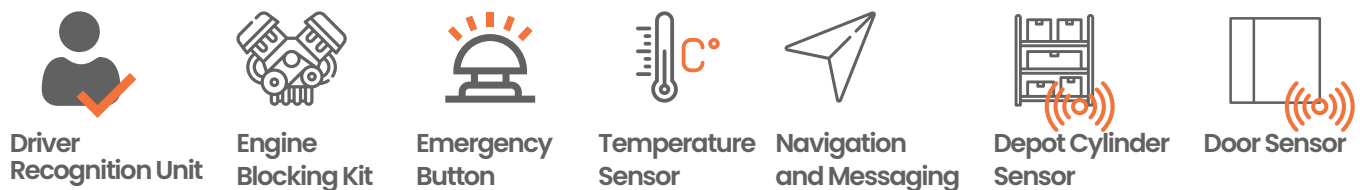
Remote Data Download with Digital Tachograph

With our remote data download solution, you can access and download the tachograph data of the vehicles in your fleet. Unlike TAVI (Local), this solution performs data download planning via Seyir Mobil Systems. You get rid of the time loss caused by downloading close (physical) data, and you realize your management planning faster. Thus, you maximize the efficiency of your fleet.

Vehicle Tracking System
Operating Plan

Compatible Digital Tachograph Device

Smart Card → Company Card

SYR FM20 Device — GSM — PC / Server

Web Interface

Equiments

Driver Recognition Unit

Engine Blocking Kit

Emergency Button

Temperature Sensor

Navigation and Messaging

Depot Cylinder Sensor

Door Sensor

TAVI (Local) Data
Downloading from the Digital Tachograph

You can download your data quickly by connecting the TAVI device to the vehicle you want to download digital tachograph data from. In the transaction with the driver card, the card can be downloaded directly by inserting it into the TAVI Local device or downloaded from 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. According to your digital tachograph brand, the TAVI local device is connected to the data download connector and the process is started. Data can be downloaded from the device after the LED lights flash once.

Our TAVI (Local) tracking device performs the downloads of Aselsan, Efas, Pars, Stoneridge, VDO and all brands.

What is Company Card,
How to Get?

It is a tachograph card issued to owners or bearers of vehicles with a digital (digital) Tachograph device. The company card enables viewing, loading and printing of the data stored in the tachograph device that identifies the company, is locked by the company or not locked by any company.

Your application, contact centers or from The Union of Chambers and Commodity Exchanges of Turkey (TOBB) web site (https://staum.tobb.org.tr/WEB) can. The fee must be paid to the required bank account after application.

DIGITAL TACHOGRAPH BRANDS	VERSION	DATA DOWNLOAD	REMAINING DRIVE
VDO	1.3	✓ (SHOULD ASK)	✗
	1.4	✓ (SHOULD ASK)	✗
	2.0	✓	✗
	2.0A	✓	✓
	2.1	✓	✓ *
	2.2	✓	✓
	3.0 AND FOR OVER	✓	✓
STONERIDGE	7.0	✓	✗
	7.1	✓	✗
	7.2	✓	✗
	7.3	✓	✗
	7.4	✓	✓
	7.5	✓	✓
	7.6 AND FOR OVER	✓	✓
EFAS	4.2 (EFAS4)	✓	✗ **
	4.8 AND FOR OVER (EFAS4.8)	✓	✓

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

SYR FM20 TECHNICAL SPECIFICATIONS

SYR ST10 TECHNICAL SPECIFICATIONS

SYR FM20
- ✓ Internal Battery
- ✓ Remote Update (FOTA)
- ✓ Engine Blockage
- ✓ Bluetooth(Standart)
- ✓ CANbus Support
- ✓ Tachograph Data Download
- ✓ Sim Card Intervention Alarm
- ✓ EDGE 2G and LTE 4G Support

SYR ST10
- ✓ Internal Battery
- ✓ Remote Update (FOTA)
- ✓ Engine Blockage
- ✓ Sim Card Intervention Alarm

	SYR FM20E	SYR FM20L	SYR ST10
Model	SYR FM20E	SYR FM20L	SYR ST10
Size	105 x 95 x 25 mm	105 x 95 x 25 mm	65 x 78 x 24 mm
Weight	125 gram	130 gram	72 gram
Hafıza	256 Mb (Max. 16Gb)	256 Mb (Max. 16Gb)	16 Mb (Max. 7100 Kayıt)
Memory	Li-Ion 400 mA/h	Li-Ion 400 mA/h	Li-Ion 380 mA/h
Feeding	9 – 36 VDC / max.36 VDC 30-70 mA (avarage) 125-250 mA(peak point) Over Current Protection Over Voltage Protection Temperature Protection	9 – 36 VDC / max.36 VDC 30-70 mA (avarage) 125-250 mA(peak point) Over Current Protection Over Voltage Protection Temperature Protection	9 – 36 VDC / max.36 VDC 70 mA (avarage) 200 mA(peak point/vertex) Over Current Protection Over Voltage Protection Temperature Protection
GPS 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	Quectel GSM Quad-Band 850 / 900 / 1800 / 1900MHz Class 4 (2W @850 / 900MHz) Class 1 (1W @1800 / 1900MHz) GPRS Class 12 Mobile Station Class B Coding Scheme 1 to 4 PBCCH
GSM Antenna	Internal	Internal	Internal
GPS Antenna	Internal	Internal	Internal
Sensors	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	Bosch 3 Axis Acceleration and 3 Axis Gyroscope Motion Sensor Simcard Interference Sensor Battery Voltage Detection
Input / Output	1 x Contact Input 3 x Digital Input (2xNegatif, 1xPositive) 1 x Digital Output (1xNegative) 1 x Engine Blockage (1xNegative) 1 x Uart 1 x RS232 Support 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 (2xNegatif, 1xPositive) 1 x Digital Output (1xNegative) 1 x Engine Blockage (1xNegative) 1 x Uart 1 x RS232 Support 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 1 x Digital Input (1xPositive) 1 x Engine Blockage (1xNegative) 1 x Drive Recognition Unit 1 x I2C
LED Indicators	PWR, GSM, GPS, BL	PWR, GSM, GPS, BL	PWR, GSM, GPS
Software Update	Available	Available	Available (FOTA)
Bluetooth	Standart	Standart	–