

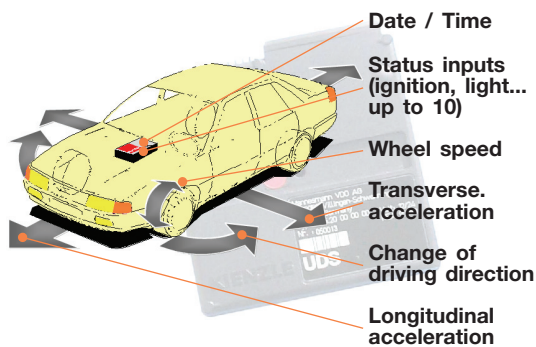
SIEMENS VDO Fleet Manager 300 Communicator and Fleet Manager Professional V8



Fleet Management including Positioning & Communication

The new FM300 Communicator combines extensive driver and vehicle management with location management and tracking functionality - at no additional hardware costs. You can enhance driver safety by using an optional peripherals.

Sensors and Status Inputs (car)



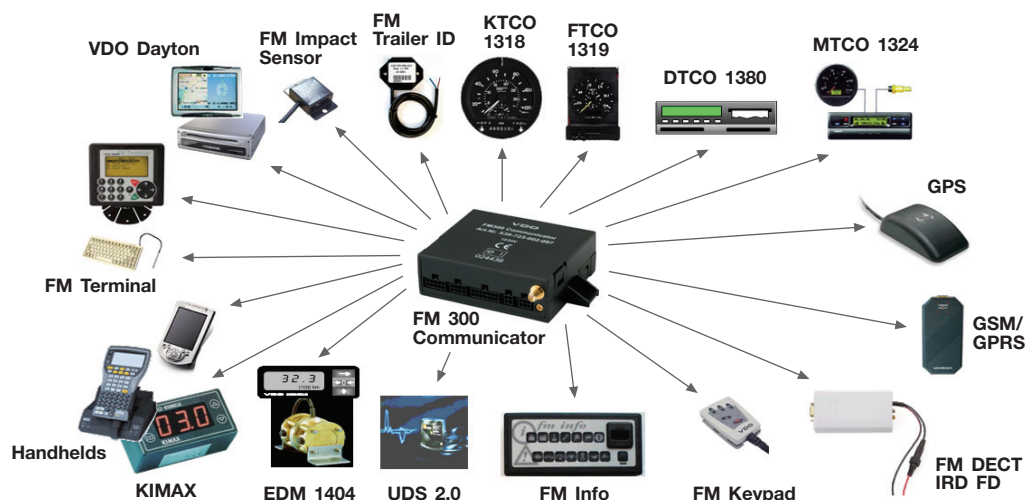
Active and Passive Tracking

The internal GPS receiver logs the position of the vehicle, and you can view this in real-time or historically. Using active tracking you can identify a vehicle's current location, and determine who is closest to a customer, thereby improving service and the efficiency of your fleet.

The FM300 Communicator also collects and stores positional information during trips, allowing you to view the data once it has been downloaded (passive tracking). So you always know where your vehicles have been and where they are now.

Modularity

Many additional accessories and information systems can be connected to the FM300 Communicator. Connecting to additional sensors, including accident recorder, tachographs and sensors (e.g. for load measuring or fuel flow) helps to improve the maintenance and efficiency of your fleet dramatically.



FM300 Communicator – comprehensive fleet management in one box.



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Professional solution for your office

The FM Professional software solution is an extensible and modular platform for your office PC or network. Fully internationalized, this package provides extensive management reporting and supports multiple data transfer options. The software is developed using industry standard tools, has an intuitive user-interface and full documentation and on-line help is provided.

Extensible platform

A range of software extensions are available to expand the benefit you derive from the VDO Fleet Manager products, and ensure an ongoing return on investment. Examples of additional modules include Driver Safety, Costing, Trailer Management and more. A software development kit (SDK) is also available for customization by third parties.

Powerful functionality

The software provides you with the power to manage your fleets and use the information recorded by all the Fleet Manager products in the VDO range. Functionality is included for:

- driver & vehicle performance management
- location management & tracking
- real-time exception reporting and
- communication with drivers
- jobs and navigation

New features in v8

FM Professional 8 includes

- full support for GPRS (in addition to the existing support for GSM, SMS, DECT and code-plug)
- navigation and tracking enhancements
- a new reporting engine for faster reporting
- support for new devices
- new look 'n feel and improved usability
- enhancements to data transfer functionality to reduce and help control communication costs

Fleet Manager 300 Communicator Features

Location Management

Active and Passive

Tracking

GPS Data Recording

Manage Locations

Route Planning

Active Events

Communication

Downloading/up-loading to/from

Voice Calls

Vehicle and Driver Management

Trip Data Recording

Driving Violations

Customised Events Second-to-Second (Tacho) Data

Driver Id & access control

- Request the position of vehicle in real-time
- Review the route taken after the trip data has been downloaded

Various information recorded with every GPS point:

- e.g. Vehicle and Driver ID, Date and time, Latitude and Longitude, Altitude, Heading, Velocity, Number of Satellite etc.
- Locations can be added showing customer, supplier, no go zones or any desired locations.
- By entering stops, planned time of start and planned duration of each stop
- Daily job activity sheets for your drivers.
- Receive SMS when selected standard or userdefined events take place. (e.g. cargo door opening in a no-go zone, driver arrived at customer location, etc.)

With included GSM/GPRS Modem:

- Download and upload data from and to the vehicle VDO FM300 Communicator
- Actively track the vehicle

Incoming voice calls are possible when an optional headset is connected

Date and Time, Distance or Hours, Speed or Hours, Engine Speed (RPM), Trip started / ended time, Trip depart / arrive time, Driver Name & ID, Vehicle ID

Over Speeding, Over Revving, Green Band Driving (low and high), Harsh Braking, Harsh Acceleration, Excessive Idling and Overtime Driving

E.g. driver door opening, No-go zone entered, hazard lights activated, refrigerator temperature exceeded
Status of all inputs will be recorded (e.g. speed, RPM, brake lights) every second, which provides valuable in-depth information for accident analysis.

Identify drivers and control access to vehicles

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Fleet Manager 300 Communicator and Fleet Manager Professional V8

Features

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Active and Passive

Tracking

GPS Data Recording

Manage Locations

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Technical Information

Rated voltage	12/24 Volt Direct Current
Operating voltage	9 ... 33 Volts, max. 40 Volts for 1 hour, 50 Volts for 5 min.
Current consumption	<20 mA (Standby Mode)
Operating temperature	-30 °C...+70 °C
Storage temperature	-40 °C...+85 °C
Rel. humidity	Max. 95%
Clock module	RTC (RealTime Clock)
Backup	Lithium Battery
Memory	1 MB EEPROM (for trips, speedometer data, operating data and device drivers)
Inhibit relay	Max. 25 A
Signaling device	Buzzer (integrated into wiring harness)
Interfaces	I2C for connection to vehicle socket
Dimensions	145 x 90 x 30 mm
Weight Approx.	550 g
Protection class	IP54

Vehicle Speed Signal	
Signal form	Square wave / sinusoidal signal
Offset (square wave)	-50 - +50 Volt
Voltage PP	> 0,5 Volt
Pulse duty ratio	5% - 95%
Frequency	Max. 5000 Hz
Over voltage protection	+/- 200 Volt peak, +/- 38 Volt DC

Engine Speed Signal

Signal form	Square wave / sinusoidal signal
Offset (square wave)	-50 - +50 Volt
Voltage PP	> 0,5 Volt
Pulse duty ratio	5% - 95%
Frequency	Max. 5000 Hz
Over voltage protection	+/- 400 Volt peak, +/- 50 Volt DC

Frequency

Frequency inputs	3
Signal form	Square wave / sinusoidal signal
Offset (square wave)	-50 - +50 Volt
Voltage PP	> 0,5 Volt
Pulse duty ratio	5% - 95%
Frequency	Max. 10.000 Hz
Over voltage protection	+/- 200 Volt peak, +/- 38 Volt DC

Digital / Analog Inputs

Digital / analog inputs	8
Switching voltage (programmable)	0 - 5 Volt (20 mVolt Resolution) 0 - 38 Volt (150 mVolt Resolution)
Frequency	Max. 1 Hz
Auxiliary relay drive	2
Device current consumption	Max. 150 mA
Serial Interface (1x RS232 & 1x TTL Port)	1 (Second RS232 Port is connected to internal GSM Modem)