



# Kit ETS Touch

Fleet management system

## KF01380D



### Function

The system, installed on vehicles such as self-propelled industrial trucks or electric traction industrial vehicles, with endothermic or hybrid engines compliant with the 2006/42 / EC machinery directive, is able to perform the following functions:

- Satellite localisation
- Shock detection
- Battery analysis
- Access control
- Data transmission via SIM GPRS 2G, LTE-M, WiFi
- Check list
- Anomalies reporting
- Messaging with driver

### Directives and reference standards

Directive CE 89/336  
(electrom.compatib.)  
Directive 86663, 89240  
Harmonised Norms 1726-1, 1726-2  
EN1175-1-2-3  
EN12895:2015 (electrom.compatib.)  
CEI EN 60240-1  
ETSI EN 301 489-1 V2.2.3 (2019-11)  
ETSI EN 301 489-3 V2.1.1 (2019-03).

ETSI EN 301 489-17 V3.2.2 (2019-12)  
ETSI EN 301 489-52 V1.1.0 (2016-11)  
ETSI EN 300 328 V2.2.2 (2019-07)  
ETSI EN 303 413 V1.1.1 (2017-06)  
ETSI EN 301 511 V12.5.1 (2017-03)  
ETSI EN 301 908-1 V11.1.1 (2016-07)  
ETSI EN 300 330 V2.1.1 (2017-02)

### Approvals and certificates

CE Conformity  
RED Conformity

### KIT Composition

Products		Accessories	
Code	Description	Code	Description
XF01380D	ETS Touch	R100010	RFID - UID Badge
X400512	ETS DN	C002190	2-strand skein (1m, purple) with minifit jr. female crimp terminal
G006410	RAM Mount Prod: RAM Mounts Model: RAM-B-138U	C002340	ETS vehicle wiring
R100070	GPS/GLONASS/BeiDou/QZSS/Galileo Antenna Prod: 2J Antennas Model: 2J4D01MPCFz	C002080	ETS Touch wiring

**Technical Data ETS TOUCH - XF01380D**
**Mechanical specifications**

Sizes	122/146x95x34 mm	Material	ABS
Weight	350 g		

**Electrical specifications**

Power Supply	from 4,75 to 5,5 V	Power consumption	2,5 W
RTC Battery	20 mAh	Int. battery 1C Lipo 3,7V	550 mAh
Micro SD memory slot (FAT, FAT16, FAT32)	Y	Int. battery charger with maintenance function	Y
SIM card Slot	Y	Autonomy with int. battery	from 3 to 6 h
Triaxial accelerometer	Y	NFC reader	Y
CAN BUS (2A & 2B) Interf.	Y	USB (Device) Interf.	Y

**GPRS/LTE - GPS/GNSS Module**

Power consumption	from 1 to 2 W	2G 4G	850/900/1800/1900 Mhz 2100/1900/1800/AWS 1700/850/900/700/800/850/700 Mhz
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**WiFi Module**

FCC/CE/IC Certified 2.4-Ghz IEEE 802.11b/g Transceiver	Y	Channels Receive Sensitivity	from 1 to 14 -83 dBm
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**Display**

Dimensions	4.3 Inch	Number of dots	480x272
Surface treatment Surface Luminance	Anti-Glare 500 Cd/m <sup>2</sup>	Touch panel	Capacitive

**Indicators/Operating principles**

Logout	Steady red LED	Authentication in progress	Steady yellow LED
Alarm	Flashing red LED	Warning	Flashing yellow LED
Login/Operational	Steady green LED	Auto-logout	Flashing green LED Steady yellow LED
RFID authentication	Steady blue central LED	RFID correctly detected	Steady central green LED
Bootloader	Steady red, yellow, green LEDs	Buzzer	Intermittent on alarms or warnings Prolonged sound (1 s) when powering up for the first time

**Mechanical specifications**

Dimensions	85/110x56x21 mm	Material	ABS
Weight	110 g		
Impact resistance	TBT (EN 62262)		

**Electrical specifications**

Power Supply	from 10 to 120 V	Power consumption	13 W
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**INPUT**

Positive digital	2	Analogic 0-10 V	1
Negative digital	2	Analogic 0-5 V	1
Positive input activation threshold	1,7 V	Negative input activation threshold	0,5 V

**OUTPUT**

NO Relè output	3		
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**Memories/Processor**

Flash	256 KB	RAM	64 KB
Eeprom	128 KB	Processor frequency	from 0,032 to 120 MHz