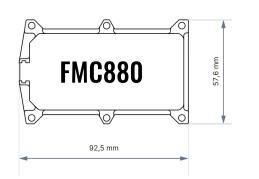
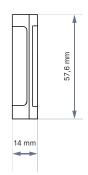


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Module

Name	FMC880-QJAB0: Quectel EG915U-EU with AG3335 FMC880-QKAB0: Quectel EG915U-LA with AG3335
Technology	LTE CAT 1/GSM/GPRS/GNSS/BLUETOOTH® LE

GNSS*

GNSS*	
GNSS	L1: GPS, GLONASS, GALILEO, BEIDOU, SBAS*, QZSS* L5: GPS, GALILEO, BEIDOU
Receiver	L1: 75 channel L5: 60 channel
Tracking sensitivity	-165 dBM
Position accuracy	< 1.5 m CEP
Velocity accuracy	< 0.1 m/s (within +/- 15% error)
Hot start	<1s
Warm start	< 25 s
Cold start	< 35 s

Cellular

2G bands	GSM: B2/B3/B5/B8 FMC880-QJAB0: LTE FDD (CAT 1):
4G bands	B1/B3/B5/B7/B8/B20/B28
	FMC880-QKAB0: LTE FDD (CAT 1): B2/B3/B4/B5/B7/B8/B28/B66
Data transfer	LTE FDD (CAT 1): Max. 10 Mbps (DL) / Max. 5 Mbps (UL)
	GSM (GPRS): Max. 85.6 Kbps (DL) / Max. 85.6 Kbps (UL)
Transmit power	Class 5 for GSM850/900: 30±5dBM
	Class 3 for GSM1800/1900: 29±5dBM
	Class 3 for LTE-FDD: 26±5dBM
	Bluetooth: 5.54±2dBM
	Bluetooth LE: -4.26±2dBM
Data support	SMS (TEXT, PDU), Network protocols (TCP, UDP, TLS, MQTT)

 $^{{\}color{blue} *} \quad \text{Optional modes available with custom firmware applications, for more information contact your sales manager}$





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Power	
Input voltage range	10 - 30 V DC with overvoltage protection
Internal Back-up battery	170 mAh Li-lon battery 3.7 V
Internal fuse	3 A, 125 V
BLUETOOTH® LE	
Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, OBDII dongle, Inateck Barcode Scanner, Universal Bluetooth® LE sensors support
Physical specification	
Dimensions	92.5 x 57.6 x 14 mm (L x W x H)
Weight	63 g
Operating environment	
Operating temperature (without battery)	-40 °C to +85°C
Storage temperature (without battery)	-40 °C to +85 °C
Operating temperature (with battery)	0 °C to +40 °C
Storage temperature (with battery)	-20 °C to +45 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP65
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months
Interface	
GNSS antenna	Internal High Gain
GSM antenna	Internal High Gain
USB	2.0 USB Micro B
LED indication	2 status LED lights
SIM	Micro-SIM
Memory	128MB internal flash memory





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Features		
Sensors	Accelerometer	
Scenarios	Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip	
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep	
Configuration and firmware update	FOTA Web, Teltonika Configurator (USB, Bluetooth® wireless technology)	
SMS	Configuration, Events, Debug	
GPRS commands	Configuration, Debug	
Time Synchronization	GNSS, NITZ, NTP	
Ignition detection	Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)	
Certification & Approvals		
Regulatory	E-Mark, RoHS, REACH, RCM, Declaration of IMEI assignment, ICASA, CITC, IMDA	