
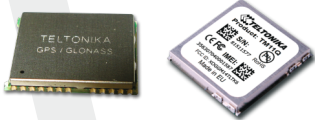
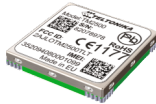
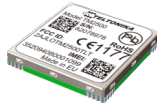









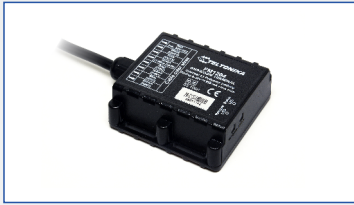


FMA20X and FMB96X MIGRATION

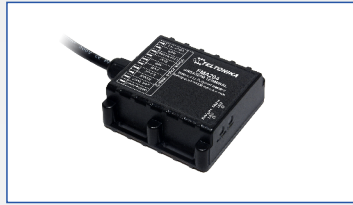
This document describes main differences of FMA20X and FMB96X compared to their predecessor FM120X. It includes the main functionality differences and shows how to achieve more enhanced performance. For more detailed information about new features of FMA20X and FMB96X please refer to User Manuals.

MAJOR DIFFERENCES BETWEEN FM120X, FMA20X AND FMB96X

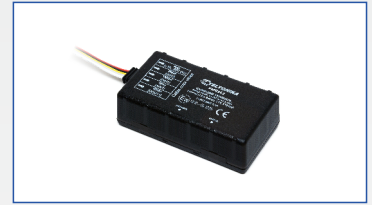
	FM120X	FMA20X	FMB96X
Hardware differences			
	Two modules: ·TG1000 GNSS ·TM11 GSM/GPRS Module GPRS class 10 32 channel GPS/GLONASS receiver -162dBm sensitivity	TM2500 Module (GSM/GPRS + GNSS) GPRS class 12 33/99 acquisition channels -165dBm sensitivity	TM2500 Module (GSM/GPRS + GNSS) GPRS class 12 33/99 acquisition channels -165dBm sensitivity
			
	Regular signal strength	15% better GSM signal strength	15% better GSM signal strength
	Hot start <1s Warm start 34s Cold start 35s	Hot start <1s Warm start <25s Cold start <35s	Hot start <1s Warm start <25s Cold start <35s
	Not supported	Not supported	Bluetooth v3.0 support
	8 PIN	10 PIN	5 PIN
	2 Digital inputs	3 Digital inputs	1 Digital input
	2 Digital outputs	2 Digital outputs	1 Digital output
	1 Analog input	1 Analog input	1 Analog input



FM120X






FMA20X














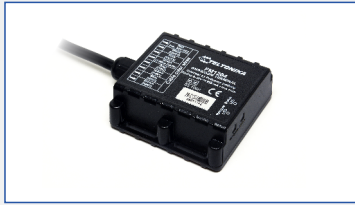
FMB96X

Hardware differences

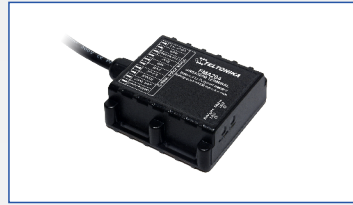
	1-wire data (parasitic power)	1-wire data 1-wire power	No 1-wire
	Internal 16MB flash memory	Internal 1MB flash memory	Micro SD card support (128MB card included)
	IP67 case	IP67 case	IP54 case

Firmware and Software differences

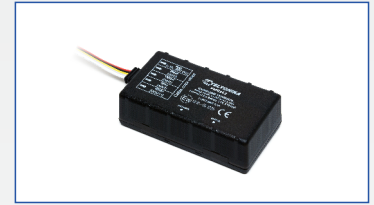
	Old message format for setparam command e.g "setparam 1245 avl3.teltonika.lt"	Old message format for setparam command e.g "setparam 1245 avl3.teltonika.lt"	New SMS format for setparam command e.g "setparam 1245:avl3.teltonika.lt"
	<i>Single parameter change over one SMS</i>	<i>Single parameter change over one SMS</i>	Multiple parameters change over one SMS
	Standard configurator and firmware	Standard configurator and firmware	One configurator for all FMB devices
	Sleep/Deep Sleep modes	Sleep/Deep Sleep/Online sleep modes	Sleep/Deep Sleep/Online sleep modes
	<i>Not supported</i>	NTP only	NTP + NITZ Time Synchronization
	Separate firmware updater application	Separate firmware updater application	Firmware can be updated via configurator
	Authorized Driving/Immobilizer	Authorized Driving/Immobilizer	<i>Not supported</i>
	<i>Not supported</i>	<i>Not supported</i>	Voice calls via Bluetooth hands-free
	<i>Not supported</i>	<i>Not supported</i>	Bluetooth OBDII dongle support
	<i>Not supported</i>	<i>Not supported</i>	Configuration over Bluetooth
	<i>Not supported</i>	<i>Not supported</i>	Status window in configurator



FM120X



FMA20X



FMB96X

FMA20X and FMB96X

Firmware and Software differences



Not supported

Not supported

DOUT control via incoming call



Not supported

Not supported

Incoming call actions



Not supported

Not supported

Excessive Idling



Not supported

Not supported

GNSS Fuel Counter



Not supported

Not supported

Help messages in configurator



Not supported

Not supported

Crash detection with crash trace



Not supported

Not supported

Unplug detection



Not supported

Not supported

Towing detection