



Model	GT-120	GT-600	GT-120B	GT-600B
Hardware Specification				
Dimension	44.5x28.5x13mm	46x41.5x14mm	44.5x28.5x 13.8 mm	46x41.5x 14.3 mm
Weight	20g	37g	21.5g	33g
PCB Dimension	42x23x11.5mm		40x24x61.5mm	
	(connector H: 9.5mm)		(connector H:4.5mm)	
PCB Weight	7.36 g		7.08 g	
Wireless connectivity range	-	-	20m	20m
GPS Chipset	SiRF STAR IV SiRFstar GSD4e B03 WLCSP (CSRG3933)	SiRF STAR IV	MTK MT3337	MTK MT3337
Antenna	Patch Antenna	Patch Antenna	Patch Antenna	Patch Antenna
Channels			22 tracking / 66 acquisition-channel GPS receiver	22 tracking / 66 acquisition- channel GPS receiver
			Supports up to 210 PRN channels	Supports up to 210 PRN channels
GNSS support	GPS	GPS	GPS & QZSS	GPS & QZSS

SBAS support	WAAS/EGNOS	WAAS/EGNOS	WAAS/EGNOS/MSAS/ GAGAN	WAAS/EGNOS/MSAS/G AGAN
Other enhancement			12 multi-tone active interference cancellers (with ISSCC2011 award)	12 multi-tone active interference cancellers (with ISSCC2011 award)
			Indoor and outdoor multi- path detection and compensation	Indoor and outdoor multi- path detection and compensation
			Internal real-time clock (RTC)	Internal real-time clock (RTC)
RTCM ready			YES	YES
NEMA support	YES	YES	NMEA 0183 standard V3.01 and backward compliance. Supports 219 different data	NMEA 0183 standard V3.01 and backward compliance. Supports 219 different data
update rates for position	0.1 sec		10 Hz	
GPS Sensitivity	-163dBm	-163dBm	Acquisition: -148 dBm (cold) / -163 dBm(hot) Tracking: -165 dBm	Acquisition: -148 dBm (cold) / -163 dBm(hot) Tracking: -165 dBm
Cold Start	< 35 sec	< 35 sec	< 35sec	< 35sec
Warm Start	< 34 sec	< 34 sec	< 34sec	< 34sec
Hot Start	1 sec	1 sec	<1 sec	<1 sec

USB cable	Proprietary, USB1.1	Proprietary, USB1.1	micro-usb, USB 2.0	micro-usb, USB 2.0
Battery	230mAh/	750mAh	380mAh	700mAh
LED	Blue & Red	Blue & Red	Blue & Red	Blue & Red
Operating Temperature	-10 ~ +50°C	-10 ~ +50°C	-10 ~ +50°C	-10 ~ +50°C
Water Resistant	YES	YES	YES	YES
GPS Logger	YES	YES	YES	YES
GPS Receiver	USB	USB	USB	USB
Memory	65000	262000	65000	262000
Package Content				
Logger	YES	YES	YES	YES
USB Data Cable	YES	YES	YES	YES
Jelly Case	YES	YES	NO	YES
Fastening Strap	NO	YES	NO	YES
(Wireless connectivity OFF) (Motion sensor detection disabled =always logging)(LED enabled)				
1s	-	-	-	40hr
5s	10hr	30hr	15hr	40hr
10s	20hr	60hr	25hr	45hr
15s	30hr	80hr	60hr	150hr
30s	60hr	120hr	120hr	240hr
60s (1min)	80hr	200hr	180hr	400hr
90s (1.5min)	100hr	220hr	-	-
120s (2min)	120hr	240hr	-	-
10min			-	-
60min			2 months	-
Key Features				
Configurable GPS Logging interval	1sec~60min59sec	1sec~60min59sec	1sec~60min59sec	1sec~60min59sec

Circular Logging	YES	YES	YES	YES
POI	YES	YES	YES	YES
Scheduled Logging	YES	YES	YES	YES
Merge scheduled waypoints	NO	NO	YES	YES
Smart Tracking	YES	YES	YES	YES
Power triggered auto-logging	YES	YES	YES	YES
Motion Detection	NO	YES	NO	YES
Disable Motion Sensor	-	YES	-	YES
Disable Button	YES	YES	YES	YES
Disable Wireless connectivity (to save power)	-	-	YES	YES
Disable LED flashing	YES	YES	YES	YES
Setup Wireless download password	-	-	YES	YES
Enable Wireless upon schedule	-	-	YES	YES

Configure Wireless broadcast interval	-	-	YES, 1~10 sec	YES, 1~10 sec
Broadcast latest GPS position	-	-	YES	YES
Configure Wireless TX Power (output power of Wireless signal)	-	-	YES	YES
Rename device (such as nickname)	NO	NO	YES	YES
Power Saving	Power Saving Option above 7 sec	Power Saving Option above 7 sec	Power Saving above 10 sec	Power Saving above 10 sec
Firmware update	NO		via PC software	via PC software
Device configuration			via USB or BLE	via USB or BLE
Data download			via USB or BLE	via USB or BLE
Combined maps	NO	NO	YES	YES
GPS Data Import format	GPX		GPX	GPX
GPS Data Export format	GPX, CSV, KML		GPX, CSV	GPX, CSV

Compatibility				
PC Software	@trip PC	@trip PC	i-gotU GPS	i-gotU GPS
Windows OS	XP, 7, 8, 10	XP, 7, 8, 10	7, 8, 10, 11	7, 8, 10, 11
APP	-		i-gotU GPS APP	i-gotU GPS APP
Android OS	-	-	Android 7 and above	Android 7 and above
iOS	-	-	iOS 12 and above	
GPS data export format	GPX, CSV	GPX, CSV	GPX, CSV	GPX, CSV
Advantage Benefits			Mobility & Flexibility for Field Research	