

Product Specification

GoWatch 770

- GPS Sports Watch -



Product Description

PAPAGO! GoWatch 770 是一隻專業的 GPS 運動手錶,使用者可以透過

GoWatch 770 記錄運動時間,距離,軌跡等,並透過心跳帶的結合,進一步記

錄心跳,以達到更專業的訓練目標。

Hardware Spec

Category	Item	Requirements
	Size	52 x 39 x 16 mm (Rough), LB:115mm,SB:62mm
Look	Weight	60g(Rough)
&	Color	Black/Orange
Feel	Finish	Texture
	Display	Sharp 1.26 inch memory LCD,144(V)x168(H)
	Buttons	5 buttons
1/0	USB bridge	USB 2.0 full speed (12 Mbits/s)
	Connetor interface	Pogo pin contact points (Stainless steel, Grade: SUS316)
Storage	Serial Flash	8Mbytes
USB	USB bridge	Silicon lab CP210X
MCU	STM32L151CBT6	Ultra low power, 48 pin, 128k flash
ANT+	nRF24AP2-8CHQ32-T	
Acceleration		Knock knock to trigger backlight and power saving
sensor		Knock-knock to trigger backlight and power saving
Sound	Beeper	For watch alarm function
	GPS Chip	Sirf star 4e
	Sensitivity	Acquisition: -147dBm; Tracking: -163dBm
	Cold Start	35 seconds (average, Satellite at -130dBm)
	Warm Start	35 seconds (average, Satellite at -130dBm),commanded
	Hot Start	1 second (average, Satellite at -130dBm),commanded
GPS	Reacquisition Time	0.1s (typical)
	Datum	WGS-84
	AGPS	5-10 sec (Dependent on aiding data latency),CGEE
	DGPS(SBAS)	Enable
	NMEA	GGA,GSA,GSV,RMC(default);GLL,VTG(optional)
	Update Rate	1Hz



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		<2.5m CEP (50%) without SA (CEP, 24 hours static,
		-130dBm)
	Accuracy	2m DGPS (WAAS, EGNOS)
		Time pulse signal : 30ns RMS
		Velocity: 0.01 m/s (50% at 30 m/s)
		Heading: 0.01 degrees (50% at 30 m/s)
	Data Rate	9600 bps
	Altitude	<60,000 Ft .
	Acceleration	4G max.
	Velocity	<1000 knots
	Antenna	12x12x3.5 mm build-in
	Log Capability	Yes
	Firmware	TBD
	Source	Via pogo pin with 5V @ 500mA max.
		Typical 27~29 mA AVG.@Vin=3.7V ,GPS and LCD on,w/o
	Power Consumption (@25℃)	backlight
		Typical 52~55 mA AVG.@Vin3.7V ,
		GPS,LCD,backlight,ANT on
		Typical < 0.25mA AVG.@Vin=3.7V ,LCD Off, GPS and all
Power		sensors standby,power off mode
	Battery	350mAh(Typical) rechargeable Li battery
	Operation Time (@25°ℂ)	12 hrs @Vin=3.7V ,GPS and LCD on,w/o backlight, all
		sensors and ANT+ off
		1400 hrs @Vin=3.7V ,LCD on,w/o backlight,Watch mode
	Backup Battery	No
	F/W Upgrade Scheme	
Software	Driver	Windows XP, Vista, Windows 7,Mac,Win 8
&	Application Program	N/A
Firmware	Logger Capability	Yes
	Device ID	Firmware version, serial number
	Operation Temp.	-10°C to +60°C
	Storage Temp.	-20°C to +60°C
Environment	Operation Humidity	20% ~ 80% R.H. non-condensing
	Charging Temp.	0 to 40°C
	Water Proof	IPX6,IPX7
	MTBF	2 years
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Drop Test	1m
ESD	8KV pass

Product Image





