

iSAP-Watch-2

PRODUCT SPECIFICATION



Flytech Technology (HK) Ltd

Email: flytech@flytech.com.hk

1. iSAP-Watch-2 Performance, Physical and Environmental Parameters

CPU	MTK 4-core 2.0GHz
Operating system	Android 9.0
RAM	LPDDR3 3GB
ROM	32GB
Interface	TYPE-C
Keys	2 keys (power supply, custom), 1 million times life
Screen	2.8 inch full view LCD, capacitive 3-point touch.
	The resolution is 640×480 and the maximum brightness is 350nit
Power Supply	Non detachable 3300mah lithium-ion rechargeable battery, 500 cycles, capacity more than 80%
Audio frequency	Built in speaker, 8Ω, 1W * 1. Built-in dual microphones
Sensor	Acceleration sensor, proximity light sensor, electronic compass, gyroscope, barometer. Support to raise your hand to light up the screen.
Vibrating motor	Support
Size	54.7 * 80 * 17mm
Weight (including standard battery)	100g No strap
Working temperature	-20°C to +60°C
Storage temperature	-30°C to +70°C
Humidity	5% to 95% RH, Non-condensation state
Waterproof and dustproof	IP67
Drop Level	1.2m Falls on Marble, 5 rounds on 6 sides, 30 times
Electrostatic discharge (ESD)	Air discharge of ±15kV and direct discharge of ±8Kv

2. iSAP-Watch-2 Data Acquisition Function Parameters

Function 1	Geographic Location Information Collection
Location	GPS + GLONASS + Beidou + Galileo, support AGPS
Working mode	GPS main positioning, Beidou, GLONASS, Galileo auxiliary positioning
Frequency	GPS:L1(1.575GHz); Beidou:B1(1.561GHz); GLONASS:L1(1.602GHZ)
Time positioning	Cold start ≤ 40s, hot start ≤ 3S
Accuracy	5-10m, open sky
Function 2	Rear Camera Image Acquisition
Pixel	13 millions
Photo taking function	PDAF, f = 2.0
Flash lamp	Flash, 1A flash, torch mode

3. iSAP-Watch-2 Function Parameters of Wireless Data Communication

Function 1	WIFI
Agreement	IEEE 802.11a/b/g/n/ac (2.4G/5G Dual frequency WIFI)
Frequency range	Depending on the country (region), 2.4GHz is usually 2.412ghz-2.472ghz; 5GHz is usually 5.170ghz-5.825ghz
Working channel	CH1~CH13, CH34-CH140, CH149~CH165
Security	OPEN, WEP, WPA2-PSK (TKIP+AES) , TLS, TTLS (MS-CHAP), TTLS (MS-CHAP v2), TTLS (CHAP), TTLSMD5, TTLS-PAP, PEAP-TLS, PEAP (MS-CHAP v2), AES etc.
Transmission distance	2.4G greater than 50m, 5G greater than 40m (open area)
Data rate	802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps (20MHz, Long GI, 800ns) 802.11n: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2Mbps (20MHz, short GI, 400ns)

Function 2	Wireless WAN
Frequency band	GSM: 850/900/1800/1900 TD-SCDMA: B34/B39 WCDMA: B1/B2/B5/B8 CDMA: BC0 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8 Support VoLTE
Function 3	Wireless personal area network Bluetooth
Standard	Bluetooth 5.0 (dual mode, support BLE)
Distance	More than 20 meters

4. iSAP-Watch-2 THE THIRD-PARTY APPLICATION DEVELOPMENT SUPPORT

System Software	Android 9.0
System programming environment	Android Studio

5. iSAP-Watch-2 PERIPHERALS AND ACCESSORIES

Standard Accessories	Charger x1, TYPE-C Cable x1, Watch strap x1
Optional Accessories	FTHK-NanoShield Disinfection Screen Protector