

TEW01

Industrial smartwatches



TEW01 Performance, Physical and Environmental Parameters

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

TEW01 THE THIRD PARTY APPLICATION DEVELOPMENT SUPPORT

System Software	Android 9.0
System programming environment	Android Studio

TEW01 PERIPHERALS AND ACCESSORIES

Standard Accessories	Charger ×1, TYPE-C Cable×1, Watch strap ×1, Steel film x1
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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

AUTOID Swatch-2.0M4-9.0 Data Acquisition Function Parameters

Function 2	Rear Camera Image Acquisition
Pixel	1300 ten thousand
Photo taking function	PDAF, f = 2.0
Flash lamp	Flash, 1A flash, torch mode

AUTOID Swatch-2.0M4-9.0 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, ble supported)
Distance	More than 20 meters