

SHENZHEN UNIQUE INDUSTRIAL CO., LTD

ECG Health Smart Watches Datasheet

A cardio focused watch built on a Maxim Max86176 ECG chip at 512Hz with HRV report replay, automatic infrared SpO2 and sleep apnea monitoring.

Trade terms: minimum order 3,000 pcs per model; samples 1-3 working days after payment; bulk 20-25 working days after deposit; warranty 12 months excluding man-made damage. All specification values are copied from the factory specification sheet. Values marked TBC are not published by the factory and are confirmed in writing before an order. Certifications are stated as held or pending; the ECG platform's CFDA and FDA medical certification is pending, not granted.

Why buyers specify this group

A verifiable sensor stack. Goodix 5515 host, Max86176 ECG at 512Hz, Osram 2201 SpO2 and Maxim 30208 temperature.

Reports that can be replayed. ECG and HRV records can be reviewed after the measurement, not only live.

Sleep apnea monitoring. Snoring and apnea detection alongside sleep staging.

Certification stated honestly. CFDA and FDA certification is pending on this platform. We publish that as pending, never as granted.

ECG HEALTH SMART WATCHES

Medical Grade ECG HRV Monitor Smart Watch SpO2 Body Temperature Round Smart Watch

Goodix 5515 and Max86176 ECG platform at 512Hz with HRV replay and sleep apnea monitoring



Master chip	Goodix 5515
BLE version	BLE 5.1
ECG chip	Maxim Max86176, 512Hz sampling
Medical certification	CFDA and FDA certification pending, not granted
SpO2 sensor	Osram 2201, infrared
Temperature sensor	Maxim 30208
Screen	Tempered glass with 1.3 inch IPS HD TFT, 240x240 pixels
Battery capacity	230mAh
3D sensor	STK8321
Water resistance	IP67
Charging time	About 2-3 hours
Endurance	7-10 days use, 30 days standby
Physical buttons	2
Product dimension	46 x 46 x 11.5mm