

R20 Bluetooth Smart Ring Specification



No.	Item	Product Parameters		Remarks
1	Basic parameters	Ring size (mm)	No.7 17.6mm, No.8 18.2mm, No.9 19, No.10 19.9mm, No.11 20.7mm, No.12 21.5mm, No.13 22.3mm, No.14 23.1mm	
		Weight	3.5g (No.7)	
		Color	Gun color, silver, rose gold	
		Major function	1> Daily activities: Step count, distance, calorie calculation 2> Health management: heart rate, body temperature, blood oxygen saturation, sleep tracking, multiple exercise modes, stress, heart rate variability 3> Motor vibration: incoming call reminder, device search 4> Other functions: remote control for taking photos, searching for rings, gesture control, gaming, female cycle	
2	Hardware parameter	Chipset	Nordic	
		Chipset Model	nRF 54L15	
		App	QRing	
		Compatible system	Android5.1or above, iOS9.0 or above	
		FLASH memory	RAM256KB FLASH 12Mb(NVM)	
		LCD Type	No	
		Screen size	No	
		Resolution ratio	No	
		Motor vibration	yes	
3	Connection parameters	BT	5.4 BLE (Bluetooth Low Energy)	
		Bluetooth call	No	
		WIFI	No	
		NFC	No	
4	Sensor	Sensor	ST LSM6DSOETR3	6 axis
		Gyroscope	No	
		Heart Rate Sensor	GOODIX GH3026	Dual PD chip sensor
		Body temperature IC	CT7117	
5	Battery	Battery type	Lithium polymer	
		Capacity	16mAh(21mAh for size 10 and above)	
		Charging mode	Wireless charging dock	
6	App software features	QRing	Step count, sleep monitoring, heart rate tracking, exercise data records	
			Health monitoring, pressure, blood oxygen measurement	
			Multiple sports modes, photography	
			Supported languages: Danish, Ukrainian, Russian, Croatian, Hungarian, Hindi, Indonesian, Türkiye, Hebrew, Greek, German, Italian, Latvian, Czech, Slovak, Slovenian, Japanese, French, Polish, Thai, Estonian, Swedish, Lithuanian, Simplified Chinese, Traditional Chinese, Romanian, English Dutch, Portuguese, Spanish, Vietnamese, Arabic, Korean, Malay	
7	Other parameters	Dust Proof & Waterproof Level	5ATM	
		Charging time	About 1.5H	
		Life time	5-7 days of use and 15 days of standby	
		Product language	No	
		Strap size	No	
		Product Material	titanium alloy	
8	Package	Giftbox size (L*W*H) MM		
		Giftbox Packing weight (g)		
		Carton size (L*W*H) CM		
		Carton weight		
		Packing Qty		