



WOOLF® Technical Specifications

WOOLF® is made by 4 core components: Bluetooth® chip, ultra-thin li-ion battery, Coin Type Vibration Motor and a 3-axes accelerometer. Here follows the main components specifications.

Overall

Recharge via Micro USB Port
Micro USB / USB cable included
Power Wall Adapter AC/DC Not Included

Bluetooth® chip

Best in Class Bluetooth® chip by Silicon Labs with embedded microcontroller.
Bluetooth® 4.2 compliant
CE, FCC and IC PRE-CERTIFIED
Integrated watchdog timer

Ultra-thin li-ion battery

Capacity: 40mAh (or 110mAh)
Type: lithium polymer
Input current: 25mA(TYP)
Input voltage: DC 5.0 V

Coin Type Vibration Motor

Operating Voltage: 2.3~3.6V DC
Max Current: 60mA
Speed: 13000 ± 3000
Width: 3.6 mm
Radius: 5.0 mm

3-axes accelerometer

3-axes nano accelerometer by STMicroelectronics
Wide supply voltage, 1.71V to 3.6V
Ultra-low-power mode consumption down to 2 µA
±2g/±4g/±8g/±16g dynamically selectable full scales

Our testing prototype, realised with components taken by existing devices, has granted 15 day of functionality in normal use (2 hours per day) while recharge time is around 3 hours. The crowdfunding campaign is aimed to allow a complete reengineering to slim the electronic board, improve further the battery performance and the vibration effectiveness.

Netgrid s.n.c

di Bissoli Matteo, Camporeale Simone, Tognetti Federico

P.IVA C.F. Reg. Imp.: 04342140235 **REA:** 412268

Sede legale: via Vittorio Veneto 18A, 37053 Cerea (VR)

Sede operativa: via Maggi 7, 37122 Verona

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