Earbuds specification

Bluetooth	BT5.2, Supports A2DP, HSP, HFP HTP
Ear Thermometer Range	32.2°C to 43.3°C
Ear Thermometer Accuracy (Environment temperature: 16°C to 40°C) Sensitivity	35.0°C to 42.0°C: +/- 0.2°C <35.0°C: +/- 0.3°C >42.0°C: +/- 0.3°C 93dB +/- 3dB
Frequency Response	20Hz to 20kHz
Earbuds Battery	Li-Polymer (2 x 60mAh)
Battery Life	4 hours (at 50% volume)
Charging Case Voltage	DC 5V
Charging Case Interface	USB Type C
Charging Case Battery	Li-Polymer (2 x 800mAh)

Introducing our advanced True Wireless Stereo (TWS) earbuds with integrated infrared (IR) thermometer technology, designed to monitor core body temperature directly from the ear canal. These earbuds connect via Bluetooth 5.2, supporting A2DP, HSP, HFP, and HTP profiles for seamless connectivity with various devices. The ear thermometer measures a range of 32.2° C to 43.3° C with high accuracy ($\pm 0.2^{\circ}$ C within 35.0° C to 42.0° C; $\pm 0.3^{\circ}$ C outside this range) in environments from 16° C to 40° C, providing reliable and real-time temperature data. Engineered for optimal audio performance, they feature a sensitivity of 93dB ± 3 dB, a frequency response range of 20Hz to 20kHz, and a battery life of approximately 4 hours at 50% volume.

The earbuds are powered by dual 60mAh Li-Polymer batteries, while the charging case, equipped with a USB Type-C interface and DC 5V voltage, houses dual 800mAh Li-Polymer batteries for extended usage. Designed for comfort and practicality, the earbuds include interchangeable ear tips, making them suitable for various ear shapes and sizes, while maintaining stability for consistent temperature monitoring even during movement. These earbuds are perfect for general consumers and healthcare applications, supporting both one-time and continuous temperature measurements, with data transfer options that enable real-time patient monitoring and remote healthcare integration.