

eDoctor Device

LoRaWAN® Device for Health & Fitness Monitoring

TEKTELIC eDoctor is the ideal solution to monitor health and fitness, track activity levels, stress, physical readiness, heart health, and overall well-being. This advanced device is designed to continuously monitor and detect wellness parameters including increased body temperature and breathing rate, and accelerated heart rate.



Sensing Functions

- » Body Temperature
- » Respiration (Breathing) Rate
- » Chest Expansion
- » Body Position
- » Heart Rate

Key Features

- » Fully Integrated Desktop Application
- » Adjustable, Washable Strap
- » Low Battery Indicator (LED)
- » Self-Calibration for Chest Expansion
- » Long Range Wireless Connectivity

Technical and Functional System Specifications

General System Parameters

| | |
|-------------------------|-------------------------------|
| Operational Temperature | 0°C to 43°C |
| Usage Temperature* | 32°C to 42°C |
| Ingress Protection | IPX0 |
| Sensor Size | 66.0 x 36.2 x 11.7 mm |
| Strap Size | For Chest Sizes 80cm to 140cm |
| Battery | CR2477 |
| Estimated Battery Life | 3 months |

*Device will enter a Low-Power Sleep Mode outside this range

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LoRa Parameters

| | |
|-------------------|------------------|
| RF Power | 8 dBm |
| RF Sensitivity | up to -137dBm |
| ISM Band | All Global Bands |
| Antenna | Internal |
| LoRa Device Class | Class A |



Regulatory Compliance

| | |
|------------|--------------------------------|
| Regulatory | CE (Radio Equipment Directive) |
| | EN IEC 62368-1:2020 |
| | ETSI EN 300 220 |
| | ETSI EN 301-489-1/-3 |
| | FCC 15.247 FCC 15.209 |

