

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

