

# eDoctor Device

## LoRaWAN<sup>®</sup> Device for Respiratory Illness Detection and Management

The TEKTELIC eDoctor Device is the ideal solution to monitor patients and vulnerable individuals for potential respiratory illness. This specialized device is designed to continuously monitor and detect the most common symptoms of respiratory illness including increased body temperature and breathing rate, persistent cough and accelerated heart rate.

- Hospitals
- Clinics
- Universities
- Athletic performance



### Sensing Functions

- » Body Temperature
- » Respiration (Breathing) Rate
- » Chest Expansion
- » Cough/Sneeze Detection
- » Body Position
- » Heart Rate
- » Panic Push Button

### Key Features

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

### Technical and Functional System Specifications

#### General System Parameters

Operational Temperature	0°C to 50°C
Intended Operational Temperature*	32°C to 42°C
Body Temperature Accuracy	0.05°C from 35°C to 40°C
Ingress Protection	IP30
Device Size	66.0 x 36.2 x 11.7 mm
Strap Size	For Chest Sizes 80cm to 140cm
Battery	CR2450
Estimated Battery Life	3 months

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

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### Technical and Functional System Specifications

#### 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

Safety	IEC 60950-1 (CE)	
Regulatory	ETSI EN 300 220	
	ETSI EN 301-489-1/-3	
	FCC 15.247	FCC 15.209

