

# eBeat Arm Band

## LoRaWAN® Device for Continuous Health Monitoring

The **eBeat Arm Band** by TEKTELIC is the ideal solution to continuously monitor the health and well-being of medical facility patients, senior care residents, or any other individual for potential respiratory illness or other health indicators requiring intervention. This specialized device is designed to continuously monitor an individual's body temperature, one of the most common symptoms of respiratory illness. An adjustable, washable arm-band strap ensures the device can be worn comfortably and discreetly in any situation.

- Hospitals & Medical Facilities
- Senior Care Facilities
- Home Care Monitoring
- Remote Vital Monitoring
- High Density Workplaces
- Schools & Universities



## Key Features & Functions

- » Body Temperature Monitoring
- » Adjustable, Washable Arm-Band Strap
- » Fully Integrated Application
- » Sleek, Unobtrusive Design
- » Up to 4 Month Battery Life



## Technical and Functional 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°to 40°C
Ingress Protection	IP30
Device Size	66.0 x 36.2 x 11.7 mm
Strap Size	Adjustable
Battery	CR2477
Estimated Battery Life	4 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

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

