

eDoctor Arm Band

LoRaWAN® Device for Continuous Health Monitoring

The eDoctor 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.

The eDoctor Arm Band utilizes the long range and low power capabilities of LoRaWAN® to provide reliable "Always On" connectivity and unprecedented battery life up to 4 months. It is fully integrated into the TEKTELIC End-to-End IoT Solution offering.

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°C 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 |