

## Bluetooth Vibrator Tag – Product Specifications

### Product Name

**Bluetooth Vibrator Tag**

By Hexitronics® | NodexLabs

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### Overview

The Bluetooth Vibrator Tag is a compact wireless notification and calling device designed for environments where customers, patients, operators, or visitors need to wait for service. The device provides silent vibration alerts through Bluetooth communication and helps improve queue management, customer experience, and operational efficiency.

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### Technical Specifications

Parameter	Specification
Connectivity	Bluetooth Low Energy (BLE)
Communication Range	15–20 meters (typical indoor range)
Alert Type	Vibration Notification
Power Source	Battery Operated
Battery Type	Rechargeable Li-ion / Replaceable Battery (optional)
Operating Voltage	3.7V – 5V DC
Charging Method	USB Charging
Enclosure Material	Industrial ABS Plastic
Device Status	LED Indication (Optional)
Pairing	Mobile App / Dedicated Controller
Form Factor	Compact Portable Tag
Operating Temperature	0°C to 50°C
Mounting	Pocket / Table / Counter Placement
Wireless Protocol	BLE 5.0 (Optional upgrade)
Response Time	<1 second typical
Battery Backup	Depending on vibration frequency and usage
Firmware	Embedded Low Power Firmware
Custom Branding	Supported

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### Key Features

- Silent vibration-based alert system
- Compact and portable enclosure
- Low power consumption
- Wireless Bluetooth communication
- Rechargeable battery operation
- Easy pairing and deployment
- Queue and waiting management support
- Custom branding and firmware possible
- Suitable for indoor commercial environments

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### Applications

#### Healthcare & Medical

- Medical shops
- Hospitals
- Clinics

- Diagnostic centers
- OPD patient waiting systems

**Warehousing & Logistics**

- Warehouse dispatch counters
- Material pickup alerts
- Logistics loading/unloading notifications
- Driver waiting notification systems

**Pharma Industry**

- Pharma warehouses
- Drug distribution centers
- Cleanroom support notification systems

**Banking & Financial Services**

- Customer waiting token systems
- Priority customer alerts
- Queue management

**Automobile Sector**

- Vehicle service centers
- Car wash waiting alerts
- Spare parts collection notification

**Retail & Commercial**

- Restaurants & cafés
- Food pickup counters
- Shopping malls
- Customer assistance systems

**Industrial Applications**

- Silent operator alert systems
  - Maintenance staff notification
  - Production assistance alerts
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**Advantages**

- Reduces crowding around counters
  - Improves customer waiting experience
  - Silent operation without disturbing environment
  - Faster customer handling
  - Better workflow management
  - Portable and easy to maintain
  - Can integrate with IoT dashboards in future versions
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**Future Expansion Possibilities**

- Mobile app integration
  - Token display synchronization
  - Wi-Fi / Cloud connectivity
  - GPS-enabled staff tracking
  - AI-based queue analytics
  - Multi-tag centralized management
  - RFID/NFC integration
  - Voice and buzzer hybrid alerts
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**Developed By****Hexitronics Automation LLP****NodexLabs**