

# RFID

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# Software-programming Free BLE5.3 SoC IN100 for Asset Tracking

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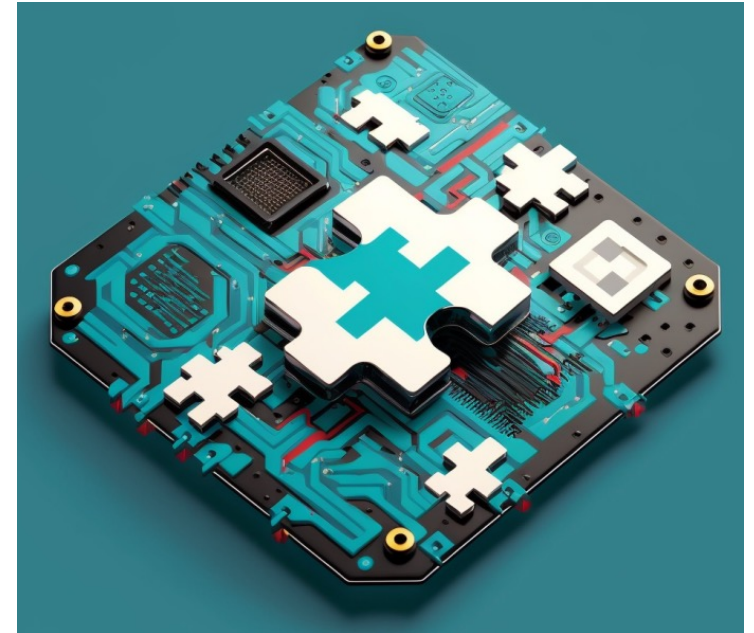
# RFID Industry Challenges

- Current off-the-shelf BLE SoC limitations in the RFID industry
- Development cost (engineering skills and knowledge)
- Chipset cost and eBOM
- Manufacturing cost
- Impediments to wider adoption of BLE technology in RFID industry



# Product Differentiation

- Comparison with other chipset players in the market
- Unique features of InPlay's In100 SoC
  - 1) **No-code** required SoC design
  - 2) **Cost-effective design** and **small size**
  - 3) **Low power** consumption



# Innovation and Enhancement

- World's first **CPU-less** BLE SoC design, no coding required!
- Bluetooth Low Energy core v5.3 compliant
- Real-time asset tracking information
- **Long distance** transmission up to 400 meters
- Ultra-low power consumption with **multi-year** operation on a single cell battery
- Wide operating voltage range from 1.1V to 3.6V, compatible with **disposable 1.5V batteries**.
- Compact package options with 2.5x2.5x0.55mm DFN8 and 3.0x3.0x0.55mm QFN18



# Business Problem Solution

- Active RFID technology for **real-time** asset tracking
- In100 SoC for **cost-effective** and **easy implementation** of BLE technology
- Rich asset information, including identifier, **location**, and **status**
- Improved business operations with near real-time monitoring and reporting of assets



# Competitive Advantage

- Evidence of product **performance** compared to existing solutions
- **Low maintenance costs** and extended **battery life**
- Wide deployment capabilities with **BLE technology**
- **Fast boot time** and multiple **sensor interface** support
- Enhanced **security**



# InPlay's Collaboration with Minew on \$1 BLE Tag

## Key benefits:

- **Cost-effective** solution
- **Long-range** capability
- High accuracy **location tracking**
- **Real-time** data insights
- **Low power** consumption







**THANK YOU**

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