The Rapidise BLE Beacon product line includes five primary models for which detailed specifications are available: **N1, N2, N3, N4, and N14**. An additional variant, the **IN610 Variant**, is also part of the lineup, known for supporting Apple Find My and Google Find My functionality.

The BLE Beacons are positioned as a balanced choice for indoor visibility, efficiency, and scale, offering affordability, accuracy (~2 to 3m), and low power consumption for use cases like Asset Tracking, Indoor Navigation, and Environmental Monitoring.

Below are the key features and detailed specifications for the primary Rapidise Beacon models:

Rapidise BLE Beacon Lineup and Key Features

Model	Key Feature Summary	Ideal Use Cases
N1	Entry-level, compact.	Indoor Navigation, Proximity Marketing, Asset Tracking, Security & Access Control, Event Management.
N2	Temp + humidity sensors.	Environmental Monitoring, Retail Promotions, Asset Tracking, Security & Access Control, Event Management.
N3	Strong signal + SOS; LED Indicator.	Retail Promotions, Asset Tracking, Security & Access Control, Event Management (and Indoor Navigation/Proximity Marketing).
N4	Full sensor suite; IMU, Temp & Humidity Sensors, Light Sensors.	Environmental Monitoring, Safety and Security (SOS, motion/fall detection), Asset Tracking, Retail Promotions, Event Management.
N14	Like N1, longer battery.	Indoor Navigation, Proximity Marketing, Asset Tracking, Security & Access Control, Event Management.

Detailed Technical Specifications Comparison

All standard models feature a **100m range** (in open areas with no obstacles), a long **lifetime of 3+ years** (at default settings), and use an **ABS Plastic** enclosure. All models support iBeacon, Eddystone (UID, URL, TLM), and Custom advertising formats.

Feature	N1	N2	N3	N4	N14
Main Chip	Inplay IN100 D1	Inplay IN100 Q1	Nordic nRF52805	Nordic nRF52820	Inplay IN100 D1
Bluetooth Version	5.3 Compliant	5.3 Compliant	4.2 Compliant / 5.0 Certified	4.2 Compliant / 5.2 Certified	5.3
Battery Type	CR2032 Li-ion coin cell	CR2450 Li-ion coin cell	CR2450 Li-ion coin cell	CR2450 Li-ion coin cell	CR2450 Li-ion coin cell
Dimensions (mm)	36×36×10	36×36×11.5	36×36×11.5	36×36×11.5	36×36×11.5
Weight	9.7 g	9.7 g or 13.5 g	13.5 g	13.5 g	9.7 g
Sensors	None	Temperature & Humidity	None	Temp, Humidity, Light, IMU (3-axis accelerometer)	None
LED / Button	None	None	1 Red LED / No Button	1 Red, 1 Green LED / PCB-mounted Button (SOS feature)	None
Configuration	Non-configurable	Non-configurable	Non-configurable (Customizable Config available on Android)	Configurable via Android App	Non-configurable
Firmware Update	No	No	Not supported	OTA DFU (Nordic)	No
IP Rating	**IP67**	IP65	IP65 (Brochure states IP67)	IP65	IP65 (Brochure states IP67)

Key Model Distinctions and Functions

N1 (Entry-Level)

The N1 is the most compact beacon, measuring 36x36x10 mm. It utilizes the CR2032 battery and is waterproof with an **IP67 rating**. It is designed for straightforward indoor navigation and proximity marketing. The firmware is non-configurable, meaning it uses fixed firmware.

N2 (Environmental Monitoring)

The N2 is specifically engineered for tracking and monitoring critical goods in temperature and humidity-controlled environments. It features **integrated Temperature and Humidity sensors**. It runs on a CR2450 battery. The sensor data is broadcast every 5 seconds by default.

N3 (Strong Signal, Status Indicator, SOS Advertising)

The N3 uses a Nordic nRF52805 chip and features a **single Red LED** for status indications. While the core configuration is fixed, its multi-advertising capability supports **6 different advertisement formats**, including the SOS format. Customizable configurations are available on Android.

N4 (Full Sensor Suite and Configurability)

The N4 is the most feature-rich beacon, equipped with a comprehensive sensor suite including **Temperature, Humidity, Ambient Light, and a 3-axis IMU (accelerometer)**. The accelerometer enables advanced features like **Motion Detection** and **Fall Detection**. It includes a PCB-mounted switch that can be accessed through the housing to trigger an **SOS packet broadcast**. Unlike the N1, N2, and N3, the N4 is configurable via an **Android App** and supports **Over-The-Air (OTA) DFU firmware updates**.

N14 (N1 with Longer Battery Life/Larger Battery)

The N14 shares the same core chip (Inplay IN100 D1) and use cases as the N1, but it uses the larger CR2450 battery and has the slightly thicker 36x36x11.5 mm dimensions.

The flexibility offered by the Rapidise BLE beacon line allows customers to choose hardware optimized for their specific Internet of Things (IoT) solution, whether it's navigating a complex hospital like AIIMS Jammu or monitoring pharmaceutical spoilage in a cold chain environment. This is akin to choosing the right tool from a specialized toolbox: while many hammers can drive a nail, the N4 is a specialized digital caliper, offering precision sensor data and customizable firmware, whereas the N1 is a reliable, straightforward hammer optimized for simple asset location.