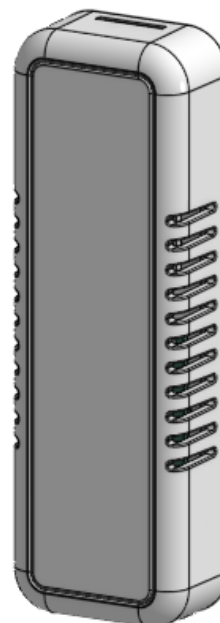


## Droplet Gen2

Droplet Gen2 by Nube iO is the next evolution of our industry-leading wireless LoRa® IoT sensor, engineered to capture accurate Temperature and Humidity data with greater reliability and performance than previous generations. Designed as a surface-mount, fully wireless device, Droplet Gen2 eliminates the need for physical sensor wiring, significantly reducing installation time, labour costs, and disruption for building occupants.

Built on our enhanced Gen2 architecture, the Droplet leverages LoRa® technology to deliver a robust transmission range, energy efficiency, and minimal susceptibility to object interference compared to other wireless technologies. These advancements make Droplet Gen2 an ideal choice for monitoring, controlling, and optimising various spaces.



## Technical Data

| General                     |                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Model Number                | DR-07-N1 - Base Model (Customisable/OEM Variants available).                                                              |
| Dimensions                  | 120mm × 40mm × 40mm or 4.72 in × 1.57 in × 1.57 in                                                                        |
| Power Supply                | Type: 3.6V Lithium-ion cell battery<br>Expected Battery Life: 5-10 years pending the configured push rate                 |
| Power Consumption           | Active current consumption: < 8 mA (typical)<br>Sleep current: < 10 uA<br>LoRa Push current: ~120mA for up to 1.5 seconds |
| Data Push Rate              | COV and interval: The interval can be configured from 15 minutes to 60 minutes.                                           |
| IP Rating                   | IP20 (Indoor Use)                                                                                                         |
| Operating Temperature       | −20 °C to 70 °C                                                                                                           |
| Storage Temperature         | −20 °C to 70 °C (battery disconnected)                                                                                    |
| Operating Relative Humidity | 5% to 95% (non-condensing)                                                                                                |
| Material type               | Injection-molded ABS (UL94 V-1), white finish (HEX #FFFFFF. R: 255 G: 255 H: 255).                                        |

|                            |                                                                                                                                                                                                                                                                    |                              |  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|
| Compliance & Certification | CE (Europe): EN 300 220-2 (LoRa in 868 MHz band), EN 301 489 (EMC), EN 62368 (safety).<br>FCC (USA): 47 CFR Part 15 C (915 MHz), FCC Part 15 B (EMC).<br>IC (Canada): RSS-247 (LoRa), RSS-Gen (EMC).<br>RoHS & REACH: All components compliant. (Battery Excluded) |                              |  |
| Wireless Communications    |                                                                                                                                                                                                                                                                    |                              |  |
| LoRa®                      | Supported Frequencies:                                                                                                                                                                                                                                             | AU923, US915, AS923, EU863   |  |
|                            | Spreading Factor:                                                                                                                                                                                                                                                  | 7-12                         |  |
|                            | Bandwidth:                                                                                                                                                                                                                                                         | 125 kHz, 250 kHz and 500 kHz |  |
| Peripheral Sensors         |                                                                                                                                                                                                                                                                    |                              |  |
| Temperature                | Sensing Range: -40°C to 85°C<br>Accuracy: ±0.2 °C                                                                                                                                                                                                                  |                              |  |
| Humidity                   | Sensing Range: 0% to 100%<br>Accuracy: ±2% RH                                                                                                                                                                                                                      |                              |  |

## About Nube iO

At Nube iO, we make buildings smarter. From enterprise and industrial portfolios to light commercial and smart homes, our scalable, data-driven technology bridges BMS and IoT to connect devices, systems, and spaces - giving users simpler control, clearer visibility, and more sustainable operations.

Built to scale from single sites to entire portfolios, our ecosystem — including traditional controls, wireless sensors, protocol-ready gateways and licence-free programming software — delivers seamless integration and efficient automation across diverse environments. Backed by global expertise and a commitment to continuous innovation, we make building automation smarter, simpler, and future-ready.

### Smarter Buildings. Forward Thinking.

Unlock smarter, more sustainable building operations — book a demo at [nube-io.com](https://nube-io.com)

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| <b>Document Code</b>      | DR-2606                                         |
| <b>Person Responsible</b> | BTJ                                             |
| <b>Date Last Updated</b>  | 05/12/2025                                      |
| <b>Status</b>             | Revision 3.0                                    |
| <b>Location</b>           | Certification Gen 2/Documents_for_Certification |

| Revision | Date       | Description                                           |
|----------|------------|-------------------------------------------------------|
| Rev.1    | 05/12/2025 | For Certification                                     |
| Rev.2    | 11/12/2025 | Lora Frequencies Updated and about product updated    |
| Rev.3    | 17/06/2026 | Operating Temperature and sensing temperature updated |
|          |            |                                                       |
|          |            |                                                       |
|          |            |                                                       |

#### FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.