



# Neon IoT Platform

one platform for all kind of IoT devices

# Neon IoT Platform

- **Neon IoT Platform** is an independent system built on Cloud Computing technologies, targeting individual consumers, Enterprise applications and independent developers.
- We aim to provide the end-users with a pleasant experience, and the developers an intuitive interface to bring life and connectivity to their devices.
- The platform is effectively decoupled from physical devices, this makes for better security and protection of user data.
- We take responsibility for all the infrastructure, ensuring high-availability and fault tolerance under all circumstances.

# Why You Need It

- We employ the cutting-edge technology to achieve cross-platform performance and speed, thus no local installation on user's mobile device is required, no unsolicited tracking and privacy infringement.
- All communications are encrypted, responding to security concerns of the growing IoT industry. The **UHES protocol**'s design protects against packet injection and other potential malicious attacks.
- Scalability is the highest priority when the system was designed. The goal is to have million of devices concurrent connecting without failing.
- For end-users, the platform is already up and running at <https://neonplatform.com>
- Device makers can easily adapt their devices to the Neon IoT Platform with minimum development effort

# How it works

## Neon IoT Platform



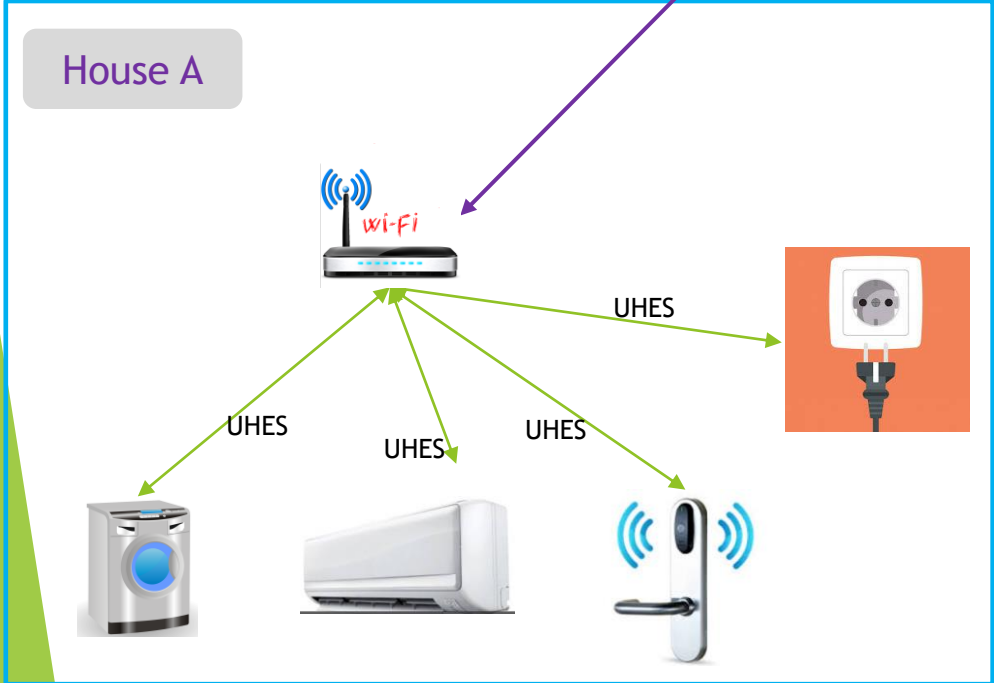
Desktop/Mobile App



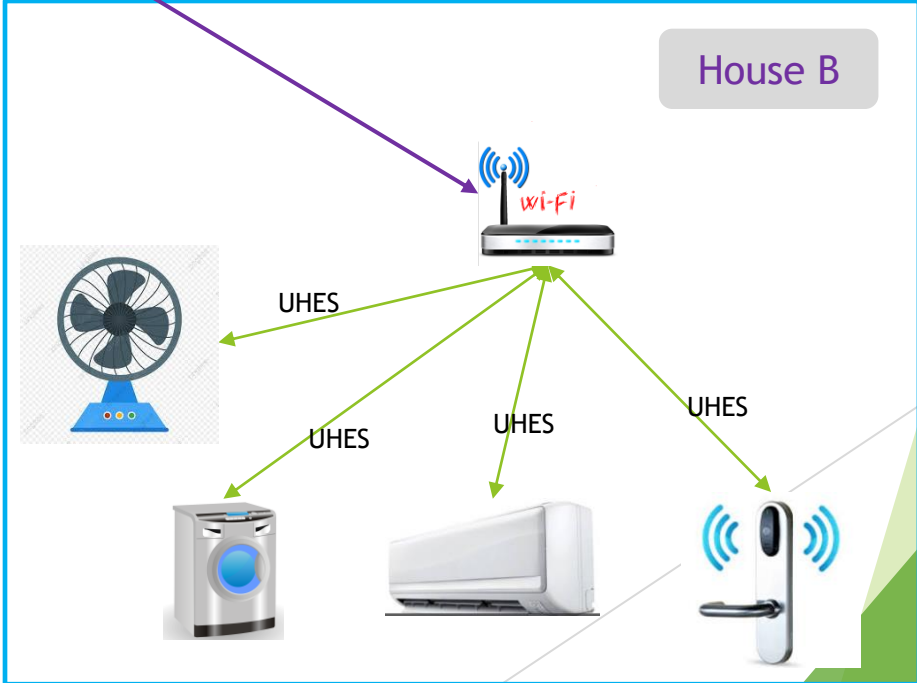
UHES

UHES

House A

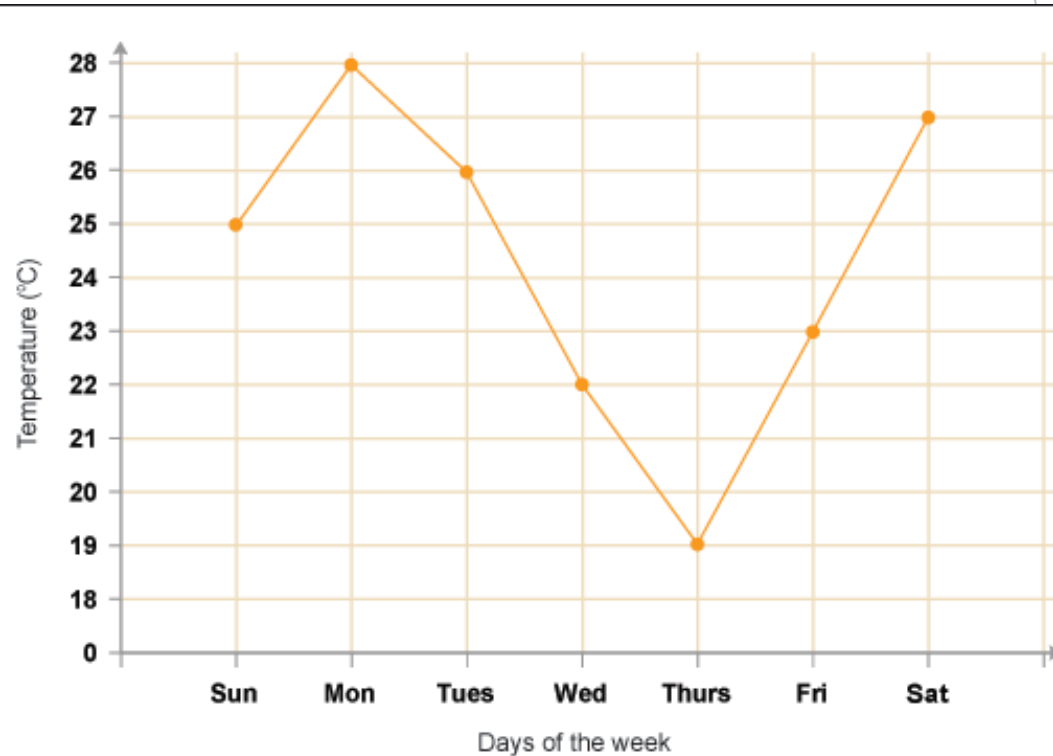


House B



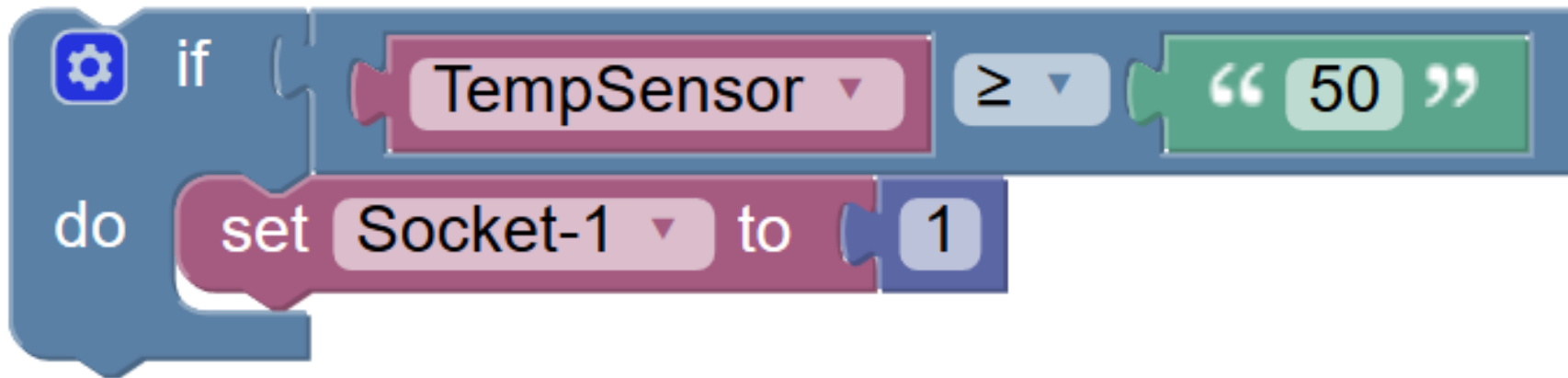
# Telemetry & User Privacy

- Amidst the growing concern for user privacy, we will not collect any user data without their permission.
- However, data may be collected from physical devices (such as sensor data) so end-users can generate a report for themselves.
- Collected data will be processed and analyzed to provide the user with better perspectives of their environment, and insights on what the user should do about it (water quality by time of year, average air quality, temperature..).



# Visual Graphic Programming Language

- Neon IoT Platform grants the end-user the ability to control how their devices behave according to their environment, via a simple visual graphic programming language.
- *Example:* Automatically turn off the bedroom lights everyday at 6 AM, turn on the fan if the temperature is greater than 50 Celsius, notify the user if the fishpond's salinity is too high..



# Physical Devices

- **The LE Company** offers physical devices whose functionalities are available even without Internet connection, albeit some functions that require internet connectivity will be limited (such as remote control and telemetry).
- All devices are implemented using **UHES protocol**, seamlessly interfacing with the Neon IoT Platform
- The devices are modular and easy to maintain

# Copyright notices

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