

Challenge #3: Remote Access to a Wireless Sensor Network

Your Task: create a system that will allow you to remotely access and control a luminaire (lighting device) from home (i.e., via internet access). For the purpose of this challenge, we will use LEDs attached to the Arduino as a proxy for a luminaire. Remote control consists of turning the LEDs on the board on or off from a remote computer.

Deliverables: Presentation summarizing design decisions, architecture and data flow of solution, demonstration of solution.

Learning objectives: investigate properties of IP based networks and interfacing to local wireless networks via gateways.

