**EDYN**

Stay connected to your garden: Planted in soil, Edyn sensor continuously monitors environment condition in your garden.

Real – time guidance sent to your phone: Edyn garden sensor connected to your WIFI network to send valuable insights through the Edyn app.

You’ll never overwater or underwater your garden again: Edyn water valve automatically gives your plant exactly the amount of water that they need.

Conditions in your garden are constantly changing. The Edyn Garden Sensor tracks light, humidity, temperature, soil nutrition, and moisture — and then cross-references this information with plant databases, soil science, and the weather to give you customized gardening guidance.

Too often, problems in your garden aren’t visible until it’s too late. Edyn lets you know what’s happening beneath the surface by monitoring minute changes in soil nutrition and moisture — so you can anticipate and resolve problems before they happen.

**GARDENA**

Comfort: Sit back, relax and let GARDENA smart system take care of your garden. Easy to install, easy to use, easy to schedule. All combined in just one smartphone app. This is garden intelligence at your fingertips.

Control: Whether you are away on a business trip or a holiday with friends - with GARDENA smart system you will always know what is happening in your garden. Get status updates with the press of a button and easily control watering and lawn care from anywhere, anytime. You will always come home knowing your garden has been perfectly looked after.

Freedom: No more tedious lawn mowing. No more lengthy watering sessions. Take time to enjoy what you really want to do and leave the hard work to the GARDENA smart system.

Smart Sensor: Real-time updates from your garden. Light, temperature and soil moisture will be tracked and can be checked via the app at any time.

Smart App: The intelligent control of your garden. Provides you with real-time updates and more useful information about your garden, wherever you are.

Safe Cloud Computing: All GARDENA smart system products are connected through secure technology. All data is sent in a safe and stable manner to the cloud and from there to your smartphone.

**GNOME**

 Hugreen's Gnome, launched on [**Indiegogo**](https://www.indiegogo.com/projects/gnome-smart-garden-sensor-watering-system-farming#/) , is aimed at large backyards or rooftop gardens and tackles those weaknesses directly with more accurate monitoring and the ability to communicate as far as a kilometer away.

Limitations of existing products like the system from**[Edyn](https://www.engadget.com/2014/06/05/edyn-smart-garden-system/)**, which monitors small outdoor areas but is fairly limited in distance and overall capability.

Many products will water your plants automatically, but they can't make changes on the fly based on the humidity or temperature, and they definitely don't come with a built-in database of botanical information. Gnome is designed to be way smarter: The pods can read the temperature, soil pH and humidity then feed this information back to you via the web or the Gnome app

Gnome just does these things a little differently. Instead of a single metal stake at the bottom for insertion into the soil, each Gnome pod has four prongs. This helps Gnome get a more accurate reading than products like **Edyn** because it can sample more of the soil in a small area.

**Comparison**

The sensors used in IoT, based smart gardening project continuously monitor the environmental conditions similar to edyn sensor. IoT based gardening notes surrounding temperature, humidity content in air, soil moisture content and presences of light but edyn sensors tracks light and soil nutrition along with environmental conditions which can be matched with plant database. Both the gardening system does not involve the use of moving parts.

IoT based smart plantation is very much similar to GARDENA except one thing , GARDENA is also having moving part.

IoT based smart plantation and EDYN is used for small Backyard area or rooftop garden, where GNOME is used for large Backyard area or rooftop garden.

Most of the system will water your plants automatically when it’s required, but they can't make changes on the fly based on the humidity or temperature, and they definitely don't come with a built-in database of botanical information. GNOME and IoT based smart plantation is designed to be way smarter then other system. But Gnome is used for large area analysis and whereas IoT based smart plantation is used for small area analysis.