

# Lattus GrowPod Series

Smart Modular Indoor Growing Platform

**Product family:** GrowPod S, GrowPod M, GrowPod X

**Wireless:** Bluetooth Low Energy (BLE 5.x) and IEEE 802.11ac Wi-Fi (2.4 GHz and 5 GHz)

**Manufacturer:** Lattus Technologies B.V., Science Park 402, 1098 XH Amsterdam, Netherlands

## Smart Modular Indoor Growing System

**Lattus Technologies B.V.**

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## Product Overview

The **Lattus GrowPod™** Series is a smart, modular indoor growing system designed for home, restaurant, and commercial urban farming. Featuring LED grow lights, integrated sensors, and wireless connectivity, the GrowPod

## Product Overview

The Lattus GrowPod Series is a professional modular indoor growing system designed for homes, restaurants, and commercial vertical farms. The platform combines full spectrum LED lighting, environmental sensing, and secure cloud connectivity to deliver consistent, data driven cultivation at any scale.

## Model Family

Model	Form Factor	Intended Use
GrowPod S	Compact countertop unit	Home, office, research
GrowPod M	Stackable mid size module	Restaurants and retail
GrowPod X	High capacity rack unit	Commercial vertical farms

# Connectivity and System Design

## Product Visuals

system enables automated, data-driven cultivation.



**LED Grow Lights**  
Full Spectrum Lighting



**Environmental Sensors**  
Temp, Humidity, pH, CO<sub>2</sub>



**App & Cloud Control**  
Remote Monitoring

### Model Variants

Model	Form Factor	Intended Use
GrowPod S	Compact Countertop	Home / Office
GrowPod M	Stackable Stackable	Restaurants
GrowPod X	High-Capacity Rack	Commercial Farming

### Wireless Connectivity

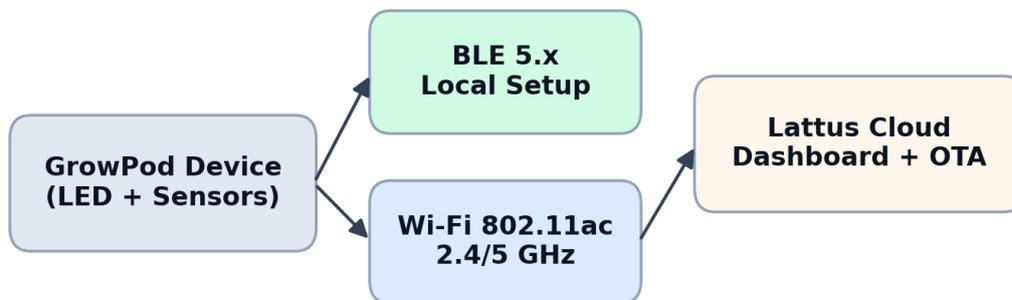


**Bluetooth 5.0 (BLE)**  
2.4 GHz & 5 GHz



**Wi-Fi 802.11ac**

## Connectivity Architecture (Simplified)



Local control, provisioning, sensor pairing | Secure connectivity to cloud services | Monitoring, analytics, alerts, firmware updates

GrowPod devices use BLE for local setup and accessory communication, and connect via Wi-Fi 802.11ac to cloud services for monitoring, analytics, alerts, and OTA firmware updates.

# Technical Specifications and Standards

<b>Wireless</b>	Bluetooth Low Energy (BLE 5.x); IEEE 802.11ac Wi-Fi
<b>Frequency bands</b>	2.4 GHz and 5 GHz
<b>Input voltage</b>	100 to 240 VAC, 50 or 60 Hz
<b>Power consumption</b>	Up to 150 W, model dependent
<b>Operating temperature</b>	0 C to +40 C
<b>Storage temperature</b>	-20 C to +60 C
<b>Relative humidity</b>	10 to 90 percent, non condensing
<b>Lighting</b>	Full spectrum LED, adjustable intensity and photoperiod
<b>Sensors</b>	Integrated temperature and humidity; optional EC, pH and CO2
<b>Security</b>	TLS authentication, encrypted OTA updates, secure boot
<b>Antenna</b>	Internal PCB antenna, less than or equal to 3 dBi
<b>Installation</b>	Indoor use only

## Safety Standard

**IEC 62368-1 and EN 62368-1** for audio, video, information and communication technology equipment safety. Additional regional requirements may apply depending on final configuration and target market.

## Typical Use Cases

Environment	Example Deployment	Primary Value
Home and smart kitchen	Single GrowPod S with mobile app control	Fresh herbs and greens year round
Restaurant and retail	GrowPod M stacked near preparation area	On site freshness and reduced waste
Commercial vertical farm	GrowPod X racks with centralized monitoring	Scalable production with analytics