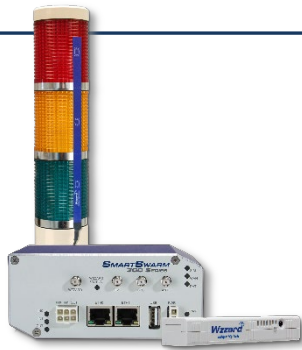


# Wzzard™ Stack Light Monitoring Starter Kit

Model BB-WSK-SLM-2

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www.advantech.com



(stacklight not included)

## PRODUCT FEATURES

- Monitor the status of a 3-color machine stack light
- Stick & Go set up – no downtime, disruption or wiring/cable runs
- Built-in Node-RED™ software tool for easy deployment
- SmartMesh® IP wireless mesh for point-to-point, self-healing reliability; more resilient as more nodes are added
- Easily scalable at any time to thousands of sensors

## INCREASE PRODUCTIVITY, OUTPUT AND EFFICIENCY WHILE REDUCING DOWNTIME AND COST WITH REMOTE UPTIME MONITORING

When stack lights can talk, they provide a wealth of information that translates to improved productivity and profits. But, what about stack lights that can't talk? Their machines are not networked or there is no software application making use of the data. Those stack lights are nothing more than a visual indicator, eliminating most of their value and potential.

The Wzzard™ Stack Light Monitoring Starter Kit makes it fast and easy to get data from your stack lights. Simply peel and stick on one or a hundred stack lights to transparently capture light activity and network-enable data. The non-intrusive overlay does not interfere with your existing network nor disrupt live operations.

- Includes everything you need to monitor the status of a 3-color stack light.
- No equipment downtime, simply peel and stick the sensor, connect the sensor to the wireless Wzzard node and provide an Ethernet connection to the gateway.
- Dashboard, data trend lines, email/SMS alerts and data logging capabilities are supported.
- Easily expand the Starter Kit system simply by adding additional Wzzard nodes and sensors to your existing gateway.
- Fast deployment of Proof of Concept and Pilots. Easy to scale to hundreds or thousands of inputs from one location or multiple locations.

### Easy to Deploy

- The Wzzard mesh wireless sensor node and sensor are battery powered and can easily be deployed without any special wiring. No need to install expensive or intrusive wiring.
- Plug-and-Play sensor wiring eliminates any errors.
- Wzzard's 2.4GHz wireless mesh technology continuously optimizes its channel selection to eliminate multipath interference, providing best-in-class reliability in difficult RF environments.
- Simple, cloud-based configuration of the gateway makes it easy to deploy and manage one device or many.

### Scalable

- Grow from monitoring one machine to many simply by adding more sensor nodes and making simple dashboard edits
- Or expand to a multi-site system integrated into your preferred software platform. The popular MQTT protocol and JSON data format make it easy to integrate into third party software applications.
- Use the built-in Node-RED to create and customize your own applications without any advanced programming skills.

### Rugged & Reliable

- Wzzard mesh wireless sensor node is -40 to +80 °C, rated for indoor and industrial use, no external enclosure required.
- Advanced SmartMesh IP wireless mesh protocol provides excellent point-to-point wireless reliability and becomes more resilient as more nodes are added to the system.

## ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
BB-WSK-SLM-2	Wzzard Stack Light Monitoring Starter Kit

### Included Hardware

- (1) Wzzard Mesh Wireless Sensor Node Model# BB-WCD1H3001HP100 (3 analog inputs, Vbat Out, internal antenna)
- (1) BB-LSSCBL Commercial Node Stack Light Sensor Cable
- (1) SmartSwarm 342 Ethernet Network Gateway – 10-60VDC, 0.7A, Wzzard board. (Ethernet cable, antenna, power supply, connector set, DIN mount bracket.)  
(Note: one gateway supports up to 100 wireless sensor nodes.)

### Included Software

Cloud license for WebAccess/DMP device management and configuration tool.

Node-RED flow with Web server for:

- Real time data display
- Historian trending
- Visual and email/SMS alerts
- External data source integration (weather, Twitter feeds, and more)

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BB-WSK-SLK-2\_3419ds

Product specifications are subject to change without notice.

# Wzzard™ Stack Light Monitoring Starter Kit

## Model BB-WSK-SLM-2

Stacklight Kit  
Model BB-WSK-SLM-2



### SPECIFICATIONS

LIGHT SENSOR	
Sensor Type	SFH 3710 Silicon NPN Phototransistor (3 per light)
Maximum Ambient Light	~2,000 lux (not direct sunlight)
Light Stack Type	3-Light Stack (Green, Yellow, Red)
Sensor Spacing	31.75 mm (1.25 in)
On/Off	The highest input over 0.5V is considered ON; all others OFF.
PHYSICAL	
Total Net Weight	0.70 kg (1.55 lb)
Total Gross Weight	1.59 kg (3.5 lb)
Dimensions (by item)	Wzzard wireless sensor node (BB-WCD1H3001HP100) = 19.05 x 120.38 x 25.13 mm (0.75 x 4.74 x 0.99 in) Stack light sensor & cable (BB-LSSCBL) = 184.21 x 6.4w mm (7.25l x 0.25w in) SmartSwarm 342 gateway (BB-SG3000525-42) = 125w x 97d x 55h mm (4.92w x 3.82d x 2.17h in)

### NODE RED DASHBOARD

