# **Wzzard Mesh Gen 2** Product Launch Packet

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Audience All Advantech B+B SmartWorx distributors, resale partners, System Integrators and end users in North American and Latin America

## Product Notice May 1 2018: Promotions begin to external audience and Advantech-bb.com – pages will go live

May 7 2018: Product will be available to order

### Product Description

SmartSwarm342			
New Part Number	Description	MAP (USD)	Dist. Cost (USD)
BB-SG30000520-42	SMARTSWARM 342 - 2 ETH, DUST, NO PS	\$587	\$410.90
BB-SG30000525-42	SMARTSWARM 342 - 2 ETH, DUST, INTNTL PS	\$628	\$439.60
BB-SG30300520-42	SMARTSWARM 342 - 2 ETH, LTE-EMEA, DUST, NO PS	\$867	\$606.90
BG-SG30300525-42	SMARTSWARM 342 - 2 ETH, LTE-EMEA, DUST, INTNTL PS	\$908	\$635.60
BG-SG30500520-42	SMARTSWARM 342 - 2 ETH, LTE-EMEA, DUST, INTNTL PS	\$867	\$606.90

### Industrial/Commercial Nodes

New Part Number	Description	MAP (USD)	Dist. Cost (USD)
BB-WSD2C31010	Wzzard Mesh Industrial Power Monitor Node - Conduit	\$399	\$279.30
BB-WSD2M31010	Wzzard Mesh Industrial Power Monitor Node	\$399	\$279.30
BB-WSD2C21150	Wzzard Mesh Industrial Cooler/HVAC Node - Conduit	\$399	\$279.30
BB-WCD1H2102H	Wzzard Mesh Commercial Cooler/HVAC Node	\$174	\$121.80

### Starter Kits

New Part Number	Description	MAP (USD)	Dist. Cost (USD)
BB-WSK-HAC-2	Wzzard Mesh HVAC Monitoring Starter Kit	\$995	\$696.50
BB-WSK-NRG-2	Wzzard Mesh Energy Monitoring Starter Kit	\$995	\$696.50
BB-WSK-REF-2	Wzzard Mesh Refrigeration Monitoring Starter Kit	\$895	\$626.20

## TimingOrders can be placed on May 7, 2018

Shipments will begin on: May 7, 2018

Action Required B+B SmartWorx sales are encouraged to start product introductions to current customers and prospects

## Authorization Kevin Nelson - Product Sales Manager 815.433.5100 knelson@advantech-bb.com

## Accessories

New Part #	Description	MAP (USD)	Dist. Cost (USD)
BB-JC10F50-V	50A Clamp on current sensor	\$38.57	\$32.79
BB-JC24S250-V	250A Clamp on current sensor \$62.39 \$53.04		
BB-JC36S500-V	500A Clamp on current sensor	\$69.05	\$58.69
BB-LP252-2R2-1D	Vibration Sensor 4-20mA	\$352.94	\$300.00
BB-WTJ-10-36-TT	J-Type Thermocouple	\$49.02	\$41.67
BB-WCHCBL	Thermistor/Breakout cable	\$12.00	\$8.40
BB-WCHMS	Door Sensor Cable	\$14.00	\$9.80
BB-WCD-TM2M	WZZARD MESH IND THERMISTOR CBL	\$8.50	\$5.95



## Email

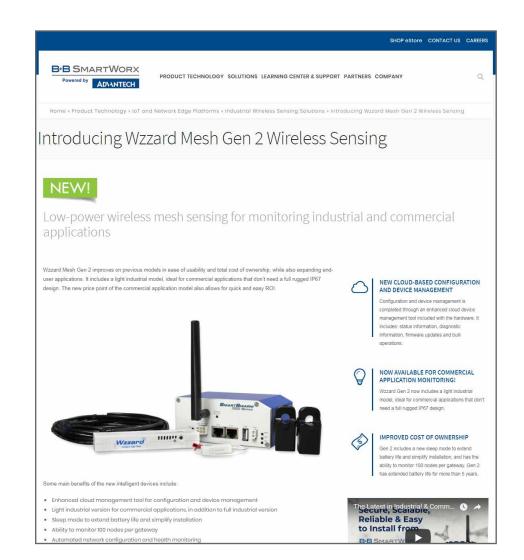
### <u>Link</u>

Introducing : Wzzard Gen 2 Wireless Mesh Sensor
NEW! Wzzard Mesh Gen 2: Low-Power Wireless Sensing for
Environmental and Energy Monitoring
Wzzard Mesh Gen 2 devices can monitor temperature, humidity and vibration, and can accommodate virtually any industry-standard external sensors. Connections can be made via M12 connector or conduit fitting. The nodes provide a wide variety of sensor interface options, including general purpose analog input, digital input/output and thermocouple.
Wzzard Mesh Gen 2 includes a light industrial model, ideal for commercial applications that don't need a full rugged IP67 design. Industries that will realize this new benefit quickly are ones in which temperature monitoring is needed, such as refrigerator monitoring for temperature-controlled inventory. The new price point of the commercial application model also allows for quick and easy ROI. Learn more here.
VIDEO: Discover Low-Power Wireless Sensing for Environmental and Energy Monitoring I's secure, scalable, reliable and easy to install. <u>Watch the video here</u> .
Secure, Scalable,
Reliable & Easy to Install from
Powered by ADANTEAU
Click Here to Learn More About Wzzard Mesh Gen 2
Follow on Facebook Scollow on Twitter Scollow on LinkedIn

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## Landing Pages

Link: http://advantech-bb.com/product-technology/iot-and-network-edge-platforms/industrial-wire-less-sensing-solutions/introducing-wzzard-mesh-gen-2-wireless-sensing/



## **Application Stories**

### Aggregate Quarry - Condition Based Monitoring



### Commercial Bakery - Temperature & Humidity Monitoring



#### SOLUTION

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To solve monitoring of humidity and temperature issues in a cost-effective manner—and avoiding process downline— the customer selected the Wzzard Mesh Writess Sensor for industrial applications from B+B SmartWork. The Wzzard writeles sensor network was a perfect fit for the application, but needed some custom changes to fit in with the bakery's specific needs. B+B Smartwork was able to custom mold a cable with an existing sensor for industrial applications. temperature and humidity monitoring.

Even without an existing off-the-shelf solution, the B+B SmartWorx engineering team was able to quickly provide a customized solution to the commercial bakery. The close collaboration with B+B SmartWorx ecosystem partners provided an inguino solution cut of the box, with no additional software or learning curve. The IP87 rating on the node's industrial enclosure allowed the device to be mounted anywhere in the bakery's dusty environment.

The Wzzard mesh wireless sensor nodes can be installed anywhere within sight of each other without power or data cabling, allowing installation at each step in the production line without interruption. Direct support for Ignition allowed tags to be created automatically, with data showing up within minutes.

### School Refrigeration - USDA, HACCP Compliances

1	HITE PAPER   SOLUTION ndustry: Food Production & S roduct: Wzzard™ Mesh Wire	afety	cial Applications	
+	JSDA, HACCP	COMPLIANC	ES	
PROB The Uni	ed States Department of Agricu	ture (USDA) and Hazard Ar	nalysis Critical Contr	ol Point (HACCP) compliance
requirer equipm	nents in K-12 school kitchens ca ent. The requirements are part of	iled for upgrades to record f a USDA food safety plan t	keeping and the cali ased on HACCP ma	ibration and verification of refrigeration anagement principles.
SOLU B+B Sn • Wzz	TION artWorx Provides a Complete ard Mesh Wirelss Sensor Nodes	Solution report data via wireless m	esh networks.	
<ul> <li>Use walk</li> </ul>	s can retrofit existing equipment In, reach-in or mobile refrigerati	t regardless of brand or styl ion units.	e, including:	
The quic	Wzzard self-forming, self-healing and easy. No special skills are	g mesh wireless network m required.	akes installation	
The units	Wzzard mesh wireless networks at each school.	enable monitoring of multi	ple refrigeration	
addi com	able – users can add additional : ional parameters like leaks/floor pressor charge state and door o	d detection, compressor cur pen/close.	rent,	
usin	Maintenance - Wzzard mesh wi g a lithium battery lasting up to 5 er, enabling easy placement.	reless sensor nodes are se i years. There is no need fo	lf-powered, r external	
	erates email and/or SMS alerts i erates reports for compliance an		reshold.	
• All s	chools can be managed from a s board.		led graphical	
	RD BENEFITS ulatory compliances			
<ul> <li>Lab</li> </ul>	r savings - Unlike manual monit orks provides 24x7 monitoring a	oring, Wzzard mesh		
<ul> <li>Elim</li> </ul>	nates food loss from spoilage ca			
• Easi	y add and monitor HVAC, furnar mercial dishwashers and more	ces, water heaters,		
As part SmartW	ADVANTECH B+B SMAR of Advantech's global Industrial I orx develops smart networking p easy to use and easy to manage	oT business group, B+B products that are easy to		



## Sales Kit (PPT)

### Promotional: Link



## Video

"The Latest in Industrial & Commercial Low-Power Wireless Sensing"

"Wzzard Wireless Mesh Gen 2 Sensing Solution Network Set Up"

"Wzzard HVAC/Compressor Monitoring Starter Kit from B+B SmartWorx"

"How to Install a Wzzard HVAC Monitoring Starter Kit"





## Online Banners

 Size:
 600x200

 File Link:
 https://www.dropbox.com/s/936xw880lrae917/In 

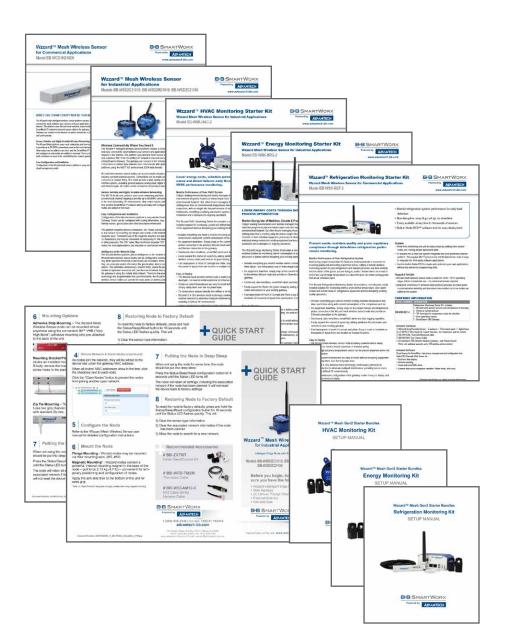
 troducing-Wzzard-Gen-2
 600x200.jpg?dl=0





## Documentation

## **QSG, DS, Manuals:** <u>https://www.dropbox.com/sh/9617onp0jk-ku7mx/AABq1MQkSYFMSDnkU30el2kqa?dl=0</u>



## Sell Sheet

### https://www.dropbox.com/s/o49gzxq1a7qz5gx/Wzzard%20 Gen%202\_Sell%20Sheet\_1818.pdf?dl=0

## **IoT Wireless Sensing**

Lower your costs, increase productivity and reduce waste with B+B SmartWorx Low-Power Wireless Sensing

#### 4 Reason to Choose B+B SmartWorx Wireless Sensing Solution



B+B SmartWorx Starter Kits include everything you need for energy and environmental monitoring. Starter kits are available for Energy Monitoring, HVAC Monitoring and Refrigeration Monitoring. Wzzard Starter Kits can help test a system with the technology and help to quickly prove a business case to expand the Mesh Network.

- Energy Monitoring Starter Kit
- HVAC/Compressor Starter Kit
- Refrigeration Monitoring Starter Kit

#### Easy to Deploy

Nodes can be configured with scaling information, eng. units, friendly names, geo-location and other descriptive information. The platform simplifies physical installation, too. Nodes can be attached to any surface via mounting ear flanges and screws or the embedded magnetic base. The IP67 rated, fiber reinforced polyester PBT housing makes the units deployable in any industrial or commercial environment



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Wzzard Mesh Gen 2 low-power wireless sensing models can monitor temperature, humidity and vibration, and can accommodate virtually any industry-standard external sensors. Use it for both:

- Industrial Low-Power Wireless Sensing
- Commercial Low-Power Wireless Sensing

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Photos

https://www.dropbox.com/sh/ort11j0ddgcmfp4/AAB0opoewM17tfurYBuymFNFa?dl=0

