

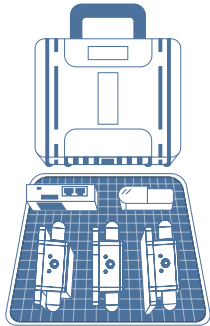


BEANDEVICE® WILOW® AX-3D



BEANDEVICE® WILOW® AX-3DS

Main features	Reference	BND-WILOW-AX-3D-2G	BND-WILOW-AX-3D-10G	BND-WILOW-AX-3DS-16G
Measurement range		±2g	±10g	±2/4/8/16g
Sensor technology		Tri-axial MEMS accelerometer		
Applications		Vibration, Peak Particle Velocity (PPV) and Amplitude	Vibration	Mechanical shock monitoring
Spectral noise density @ BW 10Hz		45µg/√Hz	100µg/√Hz	150 µg/ √Hz
Maximum wireless Range (L.O.S.)		200 m, can be extended by adding WIFI Repeater/Bridge		
Maximum sampling rate per axis (SPS—sample per second)		2000 SPS		1600 SPS
Data Logger Size		5 million data points		
Internal Battery/ External Power Supply		<ul style="list-style-type: none"> <li>• Internal Rechargeable Lithium-Ion 780 mAh</li> <li>• External Power supply : <ul style="list-style-type: none"> <li>• USB power supply (5VDC)</li> <li>• Option for auxiliary power supply : 8-24VDC compatible with solar energy harvesting (add the extension –EHR)</li> </ul> </li> </ul>		
Mounting techniques		screw mounting by default, options: 90 degree bracket (add the extension –BR) or magnetic mounting (add the extension -M)		
Casing		Waterproof IP67/NEMA 6 aluminum enclosure		



## Suitcase

IP67 Suitcase for Wilow Sensors:

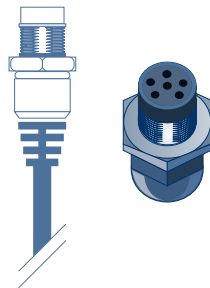
- high quality special plastic
- shock proof, break resistant and scratch proof
- watertight seal around the lid
- long life clip closure
- long life fully length hinges
- cubed foam in the bottom and convoluted foams in the lid

Can contain up to 4 x Wilow WIFI Sensors and related accessories (except WIFI Bridge and Antenna)

**Dimensions** (LxWxH) : 258 x 243 x 167.5 mm

**Weight** : 1.1kg

Ref: WILOW-IP67-SUITCASE-01

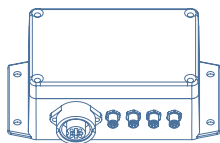


## M8 Cable

M8-6Pins Cable, Waterproof ( IP67) and shielded cable.

**Cable length** :

- 2 meters. Ref: WL-CBL-M8-6P-2M
- 5 meters. Ref: WL-CBL-M8-6P-5M



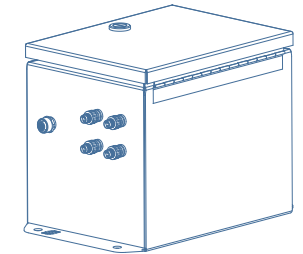
## AC/DC Power Adapter for Wilow Sensors

- Waterproof aluminum casing (IP67)
- Input voltage : 85-264 VAC
- Output voltage : 5VDC
- Can power supply up to 4 BeanDevice<sup>®</sup> Wilow<sup>®</sup>

## X-Solar | Solar Power Systems for Wifi IOT Sensors

High efficiency Solar Panel with Solar Charging Controller and Lead-acid battery

X-SOL-WILOW-12AH-20W-4CH-5V-CL



## Mechanical Mounting Options

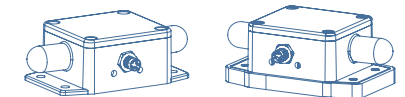
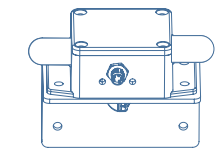
By default, the BeanDevice<sup>®</sup> Wilow<sup>®</sup> comes with a screw mounting lid. Two other mounting options are available:

- **Magnetic mounting** , add the extension –M on your product reference

### Drawing

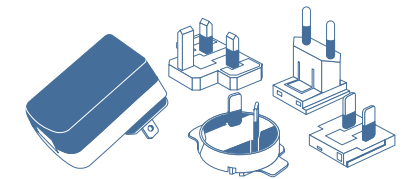
- **90° bracket**, add the extension –BR on your product reference

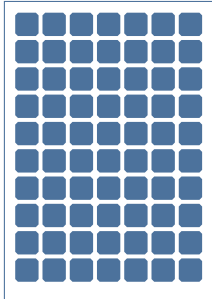
### Drawing



## Power-supply

Wall plug-in, Switchmode power Supply 12V @ 1,25A with USB plug Provided with power **adapter** : North America / Japan / China or Europe or UK or Australia





## Solar Panel 3W

Polycrystalline Solar Panel for BeanDevice® Willow® power supply

**Maximum Power** : 3W

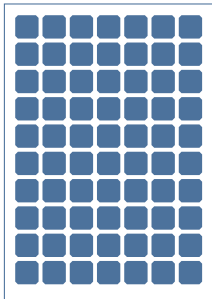
**Optimum operating Voltage** : 12 VDC

**Dimension** : 235 mm x 135 mm x 17mm

**Protection Frame** : Aluminum Frame , Waterproof IP67

**Length** : 2 meters ( Ref: WL-SLP-3W-2M ) or 5 meters ( Ref: WL-SLP-3W-5M )  
with M8 plug for a direct to connection to the BeanDevice® Willow®

Compatible with LowDutyCycle and Survey data acquisition with the battery saver mode enabled



## Solar Panel 5W

Polycrystalline Solar Panel for BeanDevice® Willow® power supply

**Maximum Power** : 5W

**Optimum operating Voltage** : 12 VDC

Max Voltage = 17.8V

**Max Current** : 0.28A

**Efficiency** : 1.6%

**Operating Temperature** : -40°C to +85°C

**Temperature Coeff.** : -0.45%/°C

**Dimensions** : 250 x 185 x 25 mm

**Weight** : 0.7kg

**Protection Frame** : Aluminum Frame , Waterproof IP67

**Cable Length** : 2 meters ( REF: WL-SLP-5W-2M ) or 5 meters  
( REF: WL-SLP-5W-5M ) with M8-6 Pins plug for a direct to connection to the BeanDevice® Willow®

Can work with the following Data Acquisition **mode** : Low Duty Cycle, Alarm, Streaming with Burst Data Acquisition Mode with battery saver mode enable

[Datasheet](#)

[Drawing](#)

## WIFI AP / Repeater / Bridge ( wifi link extension )

Wireless AP/Repeater with an integrated N-Type RF connector + High Gain Antenna  
Wifi Access Point/Bridge/Repeater

Integrated N-Type RF connector + High Gain Antenna with 9 dBd of Gain.

**Casing** : Outdoor UV Stabilized Plastic, Dimensions (w/o antenna): 190 x 46 mm

**Weight** : 196 g

**Antenna Connector** : N-Type Connector (male), Power over Ethernet power supply (24VDC)

**Max. Power Consumption** : 6 Watts

**Operating Temperature** : -40 to 80° C

**Shock and Vibration** : ETSI300-019-1.4

**Included** :

1x AC to 24VDC POE Power supply

1x High Gain Antenna 9dBi

1 x Power adapter (EU or UK or US)

Ref : WL-AP-UBIQ-TIT-7DBI for 7dBi Antenna

Ref : WL-AP-UBIQ-TIT-9DBI for 9dBi Antenna



## Calibration Certificate

Calibration certificate provided by Beanair GmbH

A static calibration method is used on a granite surface plate DIN876

Ref : CERT-CAL-SMART