

## Smart IoT Box

WI-IOTBOXNANO



### Overview

Wi-Tek's Smart IoT Box is an all-weather outdoor electrical equipment protection box designed for outdoor use in the outdoor environment. It has waterproof, dustproof, heat dissipation, anti-ultraviolet, anti-theft, anti-rust, acid and alkali corrosion, anti-electromagnetic interference (anti-lightning EMP), modular structure design in the box, electrical equipment can be installed vertically or horizontally according to the situation.

Fit outdoor CCTV, WLAN, Wi-Fi Coverage, Industrial IoT Application requirements with Wi-Tek industrial switch, 4G LTE router, outdoor wireless transmitter, solar powered PoE switch, IoT M2M gateway, and mesh AP, greatly decrease your project deployment cost by flexible modular installation.

### Features

#### IP55 Ingress Protection

Outstanding dustproof and waterproof design protects the equipment inside the box in the outdoor.

#### Rugged construction

A seamless welding box body can withstand huge external forces without deformation.

#### Advanced Outdoor Protection

Made of aluminum alloy or 304 stainless steel connecting mounting parts, Electrostatic powder spraying main body, can anti-aging, gas corrosion resistance, UV damage resistance, acid and alkali corrosion resistance, salt spray moisture resistance.

#### Modular Installation

The modular structure design, side panel, DIN-rail, mounting plate, waterproof connector, fan, and microswitch are all detachable.

#### Heat Dissipation

The fan on the right side and the ventilation vents on the left side form a left-right cross-ventilation air duct to assist in equipment heat dissipation.

#### Microswitch for Flexible Application

The door microswitch can be connected to the power supply, to the cloud alarm via I/O, or to the buzzer alarm(Coming soon).

# Specifications



Products	WI-IOTBOXNANO
Hardware Version	V1
Hardware Features	
Overall Dimensions (W*H*D)	300*400*148mm (Include mounting slot) 300*400*133mm
Inner Dimensions (W*H*D)	296*396*95mm
Weight(kg)	6.0kg
Package Dimensions (W*H*D)	460*360*190mm
Package Weight(kg)	6.5kg
Thickness	1.2mm
Materia	SPCC
Color	Light Grey + Grey
Surface Treatment	Electrostatic Spraying
Installation	Pole/Wall(optional)/Floor mounted
Door	1
Lock Hole	1
Detachable Side Plate	2 (1 on each side panel)
M25 Waterproof Connector	2 (1 on each side inner panel)
Aluminum Alloy Chute	2 (on the rear panel)
Bottom Cable Entry	1 (at the bottom)
Water Outlet Holes	4 (at the bottom, can be blocked with rubber plugs)
Microswitch	1 (on the upper right inside)
Fan	1 (on the right inner panel)
Insect Net	2 (1 on the upper right inside , between the fan and the waterproof louver, 1 on the upper left inside, between the back bracket and the waterproof louver)
Equipment Installation	2*250mm DIN-Rail
Protection	IP55
Application	
Application	Junction, Distribution, Electrical, Battery, Control, Monitoring etc. Outdoor waterproof Enclosure Box

## Accessory Specifications

### Products

Fan	
Brand	Delta
Model	AFB0612EH
Input Voltage	12V DC
Bearing	Ball
Termination	2 wire leads
Input Current	0.48A
Power consumption	4.56W
Speed	6800 RPM
Air Flow	38.35 CFM (1.068m <sup>3</sup> /min)
Acoustical Noise	46.5 dB
Dimensions	60*60*25mm
Operation temperature	-10°C ~70°C

### Microswitch

Brand	Omron
Model	V156-1C25
PIN	NC, NO, COM; NC and COM have connected cables.
Rated Current	15A
Rated Voltage	250V
Mechanical Life	15,000,000 cycles

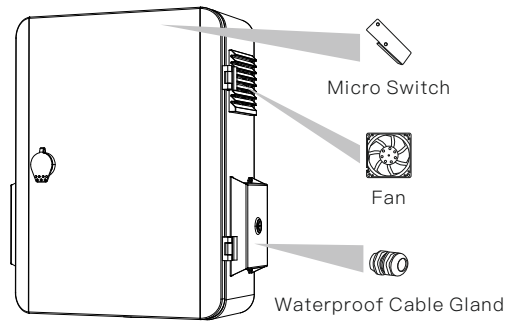
# Appearances and Dimensions

WI-IOTBOXNANO		
<p>Front Overview</p>	<p>Rear Overview</p>	<p>Inner Overview</p>
<p>Front</p>	<p>Inner Front</p>	<p>Left Side</p>
<p>Inner left</p>	<p>Inner right</p>	<p>Bottom</p>

# Package Content

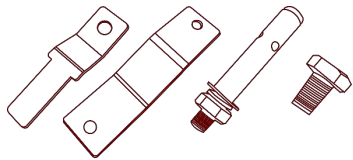
Welcome to order our products. After purchasing, you will receive:

WI-IOTBOXNANO



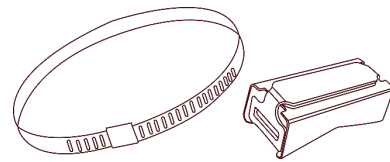
1\*BOX (With 1\*Fan, 1\*Micro Switch, 2\*M25 waterproof connector)

## Wall Mounting Accessories (Optional)



2\*Hanging Pieces (Small), 2\*Hanging Pieces (Large),  
4\*Expansion screws, 4\*Hex screws

## Pole Mounting Accessories



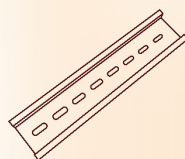
2\*1.1m Stainless Steel Cable Ties (50–300mm in diameter),  
2\*Stainless Steel Universal Clips



1\*Quick Installation Guide



2\*Key



2\*DIN Rail (Length: 250mm)



Wireless-Tek Technology Limited

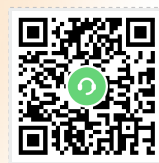
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Technical Support



Cloud Management



Company Website