Yanzi Plug

Yanzi Plug connects your electrical appliances and lamps to the Internet and allows you to turn them on and off from anywhere in the world and measure energy or monitor the health of the power lines.

Yanzi Plug can be used to monitor the energy usage on work desks, monitor the run time of projector lamps for preventive maintenance or as an energy savor by using it together with Yanzi Motion to automatically turn appliances off, saving energy and money.

Yanzi Plug connects wirelessly to Yanzi Gateway or Yanzi IoT Access Point in a secure way through Yanzi's "Zero-Touch configuration" and it can be immediately accessed through the Cirrus API or the Yanzi App.

Highlights

● Simple to install - single tap encryption setup

● Remotely turn electrical appliances on and off or set schedules for automatic control

● Monitor energy consumption of electrical appliances remotely

Getting started

Two steps to get started

1. Plug into power outlet

2. Accept over Cirrus or in Yanzi App

You are now ready to interact with your Yanzi Plug

Ordering Information

STW1-E216   Yanzi Plug

Specifications

Power

● Plug and socket types: CEE 7/4, Type F for European market
● Wide range input voltage 110 - 230VAC, 50-60Hz
● Maximum load power: 2300W, 10A@230V (Resistive Load) 30W, 0.13A@230V (Inductive Load)
● Contact resistance max 100mΩ
● Endurance 10,000 switches
● Built-in over-temperature protection
● Internal power consumption is less than 0.5W with relay off

Measurement Accuracy

● Minimum detectable power 0.5W
● Accuracy   ±5% (0.5 - 5W load)
                      ±4% (5 - 2300W load)

Wireless Performance:

● IEEE 802.15.4 2.4GHz IPv6 Sensor Network supporting Mesh Technology
● Wireless Output Power 3dBm - 8dBm (~2 - 6.3mW)
● Wireless Range 5-25m indoor, 50 - 100m Line of Sight (Indicative)
● Omnidirectional internal antenna, 0.5dBi peak gain
● ECC/AES encryption. High security with unique encryption keys for each Yanzi Plug - automatically installed at setup

Environmental Requirements

● Operating Requirements 0°C to +50°C, 20 - 80% RH(non-condensing) Indoor use only
● Storage Requirements 0°C to +50°C, 20 - 80% RH(non-condensing)

External Button

● Status   (short press)
● On/off   (press and hold for >2 s)
● Reset   (press and hold for >20 s)

Dimensions

● 43.5 x 76 x 81mm (including AC pins)

For instructions and information about safety, warranty, and recycling, please visit
www.yanzinetworks.com

Caution:

This device complies with Part 15 of the FCC. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.