Access Point 3

Dual band (2.4GHz + 868/915 MHz) PoE/USB-C powered access point

Your Smart Building Foundation

Simple to install
Dual band low-power radio supporting high density IoT networks
Supports large number of IP-based sensors
Multiple power source options
PoE 802.3af or USB-C
Easy mounting and cable management

Scalable
IP communication and standardized technologies enables scalability

Simple
Install, scan and data is available in cloud within minutes.

Secure
Enterprise security with automatic security key management using ECC with AES encrypted communication

- The Yanzi IoT access point 3 is an Internet of Things access point for commercial facility and building installations. The solution is cost efficient and easy to upgrade.

- The Access Point 3 has a built-in dual band radio to allow for communication with sensors directly. It can be used to support larger areas scaling to hundreds of IP-based sensors.

- It enables a very fast installation and roll-out of a secure all-IP sensor network in smart buildings, securely providing data in the Yanzi cloud API called Cirrus via Yanzi Gateway.

- The Yanzi access points delivers an all-IP connectivity for smart building.
Yanzi IoT access point 3 enables the communication between the Smart Building and the Yanzi Gateway and ensures autonomous operations. Low-power radio support high density sensor networks.
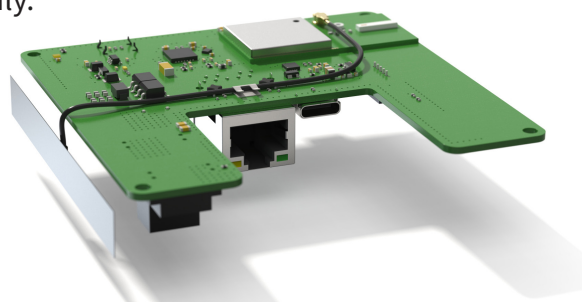
Getting started

1. Start
- Plug in the USB-C power adapter or PoE (802.3af complaint) with ethernet IPv6 support.
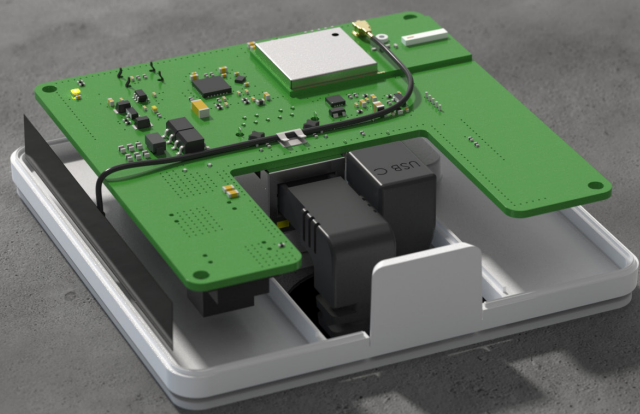- It is recommended to connect the Yanzi access point to Yanzi Gateway over ethernet.

2. Connect
- Register Yanzi IoT access point 3 using the QR code on the back side using Yanzi Live.

You are now ready to use Yanzi IoT Access Point 3 to connect with other products from the Yanzi family.

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

Specifications

Wireless Networks
- IEEE 802.15.4, 2.4GHz IPv6 Sensor Mesh Network
  - Omnidirectional internal antenna, 2.2dBi gain
- IEEE 802.15.4g, 868/915MHz IPv6 Sensor Mesh Network
  - Omnidirectional internal flexible dipole antenna, 1.4dBi peak gain

Power and Battery
- External USB-C power supply, 5.0V, 600mAmp *
- IEEE 802.3af compliant PoE class 3

Environmental Requirements
- Operating Requirements +5°C to +35°C, 20 - 80% RH (non-condensing) Indoor only
- Storage Requirements 0°C to +50°C, 20 - 80% RH (non-condensing)

External Buttons and Connectors
- 1 x RJ45 Ethernet 10/100 Base-T
- 1 x USB-C power only connector
- RESET push button on the back side

Dimensions
- 93 x 93 x 28.5 mm / 3.6 x 3.6 x 1.1 inch
- 112 g / 0.25 lbs (excluding PSU)

Network Connectivity
- Access point requires a DHCP server on the network to get IP address assigned
- The Gateway communicates with the Access Points using IPv6, UPnP and encrypted data over ethernet
- Gateways and Access Points must sit on the same layer 2 broadcast and IP multi-cast domain
- Internet connection only requires outgoing port 443 and 4445. No inwards connection required
- Gateway connects automatically to the Yanzi server

Agency Approvals
- Europe: EU (CE and RoHS)
- UK: UKCA
- North America: US (FCC), Canada (IC)

USB-C power supply for EU,UK and US sold separately

Ordering Information

Model name: IoT Access Point 3

Model number: AP3-1001

Standard PoE injector/PoE switch (IEEE 802.3af compliant) must be purchased separately for countries where Yanzi power supply is not available.

Packaging Information

Box size: 560 x 220 x150 mm
               22" x 8.5" x 6" inch
Box weight: 4.2kg / 9.26lbs