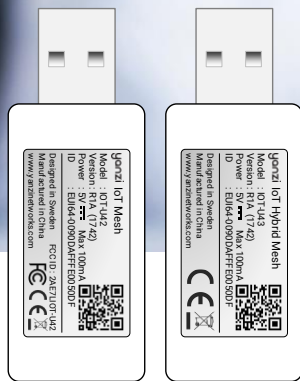


yanzi



Yanzi IoT Mesh

Yanzi IoT Hybrid Mesh

Provides IoT wireless network in minutes

The [Yanzi IoT Mesh](#) and [Yanzi IoT Hybrid Mesh](#) USB dongles provides a simple way to expand wireless connectivity in a building. By using mesh technology, coverage can be expanded to the more difficult areas without requiring cables to access points. It only uses USB power so installation is only a matter of finding a power outlet.

The [Yanzi IoT Mesh](#) uses mesh technology over 2.4GHz to improve coverage to the more difficult areas without requiring cables to access points by simply placing the Yanzi IoT Mesh between the Access Point and the sensors needing improved coverage.

The [Yanzi IoT Hybrid Mesh](#) uses long range sub-GHz technology to back-haul data to an Access Point or Gateway in order to get better reach allowing for lower density installations such as conference room occupancy only for example. Multiple Yanzi IoT Hybrid Mesh dongles may be used for larger installations.

Highlights

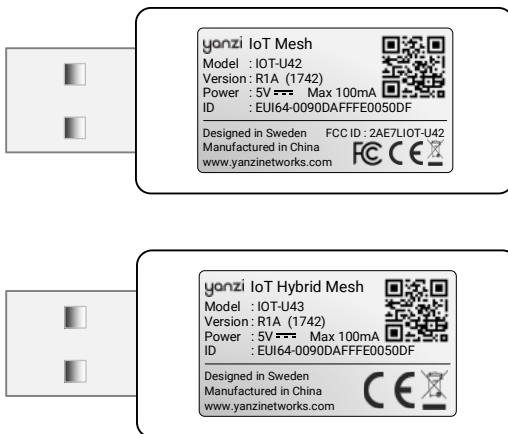
- Simple to install
- Low cost infrastructure solution for IoT Networks
- Use multiple mesh nodes and hybrid mesh nodes for redundancy

Getting started

Two steps and your mesh dongle is added

1. Plug an IoT Mesh or IoT Hybrid Mesh dongle into a USB wall adapter
2. Accept over Cirrus or in Yanzi Installation Tool

You are now ready to use your Yanzi IoT Mesh or Yanzi IoT Hybrid Mesh dongle and to connect it with other products from the Yanzi family.



Ordering Information

IoT-U42 Yanzi IoT Mesh, 2.4GHz
IoT-U43 Yanzi IoT Hybrid Mesh EU (868MHz)

Country specific wall adapter must be ordered separately.

Specifications

Flexible solution acting as a hybrid mesh node for stand-alone installation or serial radio when used with a Yanzi IoT Gateway.

Wireless low power high density network
[all devices]

- IEEE 802.15.4, 2.4GHz IPv6 Sensor Network with Mesh technology
- Wireless Output Power 3dBm - 15dBm*
- Wireless Range 5 - 25m indoor (Indicative)
- Omnidirectional internal antenna, 0.5dBi peak gain

Wireless low power long range network
[IoT-U43]

- IEEE 802.15.4g, 868MHz IPv6 Network
- Wireless Output Power 3dBm - 15dBm*
- Wireless Range 20 - 100m indoor (Indicative)
- Omnidirectional internal antenna, 0.5dBi peak gain

Power

- 5V via USB, max 200mA

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

- Push button for status/reset

Dimensions

- 63 x 25 x 13 mm

Agency Approvals

[IoT-U43]

- Europe: EU (CE)

[IoT-U42]

- Europe: EU (CE)
- North America: US (FCC), Canada (IC)
- Asia-Pacific: China (SRRC), Hong Kong (FCB and LCB), Japan (TELEC), Singapore (IDA), India (WPC), Australia and New Zealand (RCM)

* Actual range depends on walls, obstacles, radio disturbances, etc. See manual for more details.

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