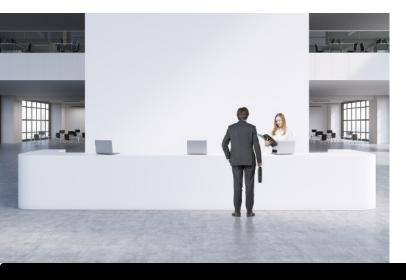# Yanzi Gateway L and XL

Your Smart Building Foundation

Powerful Gateways for medium to large installations
Simple to install
Supports thousands of sensors and hundreds of Yanzi IoT Access Points
Local storage for autonomous operation when Internet is not available
Low depth for easy installation
Automatically configures and encrypts

Accesible

Supports thousands of sensors and hundreds of Yanzi IoT Access Points

Simple

Simple to install-Low depth for easy installation

Secure

Automatically configures and encrypts

- The Yanzi IoT Gateway L and XL are high performance Internet of Things gateways for commercial facility and building installations. The solutions deliver the performance required for larger installations. Yanzi IoT Gateways combined with Yanzi IoT Access Points can support installations scaling to thousands of IP-based sensors and 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. The gateway delivers an all-IP connectivity for smart buildings.

- Yanzi IoT Gateway L and XL enables the communication between the Smart Building and the cloud and ensures autonomous operations even if Internet connection is down - including substantial local storage of sensor data. The gateways utilises powerful Intel technology providing the performance required for large IoT sensor installations.

- The Yanzi IoT Gateway L is a small form factor device for simple placement supporting up to 1,500 sensors and 50 Access Points.

- The Yanzi IoT Gateway XL is 1U rack server with a low depth of 290mm for easy installation supporting up to 5,000 sensors and 200 Access Points.

For more instructions and information, please visit http://www.spicatech.co.uk/

Getting Started

Two steps and Yanzi IoT Gateway is connected:

1. Start
Plug in the included power cable and connect the Ethernet cable to your existing Internet connection.

2. Connect
Register Yanzi IoT Gateway using the QR code on the front panel

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

Ordering Information

DR3-9201 Yanzi IoT Gateway L

DR3-9108 Yanzi IoT Gateway XL

UK/US/EU power adapters/cables included

Yanzi Networks reserve the right to change this specification at any time without notice. Disclaimer: Yanzi Networks can not guarantee that this specification is 100% correct. Solution to be used for described purposes only. NOT to be used for medical, life-saving, or life-sustaining applications.

Specifications

High Performance

- **The Yanzi IoT Gateway L supports up to 1,500 sensors and 50 Access Points**
- **The Yanzi IoT Gateway XL supports up to 5,000 sensors and 200 Access Points**

Storage Capacity
- **Internal 120GB SSD storage typically capable to store at least 3 months of sensor data**
Wired high performance network
- Multiple GbE, RJ45*

Power
[Yanzi IoT Gateway L]
- **External AC/DC power supply, 90- 264V, 50-60Hz, 65W**
[Yanzi IoT Gateway XL]
- **Internal AC/DC power supply, 100–240V, 50-60Hz, 2.6A max**

Environmental Requirements
- Operating Requirements +10°C to +35°C, 20 80% RH(non-condensing) Indoor only
- Storage Requirements 0°C to +60°C, 5-95% RH(non-condensing)
- Cooling Fan

Dimensions
[Yanzi IoT Gateway L]
- 183 x 178 x 36 mm
[Yanzi IoT Gateway XL]
- 43 (1U) x 437 x 287 mm
- Designed for indoor use only
Chassis
[Yanzi IoT Gateway L]
- Dell Optiplex 30x0
[Yanzi IoT Gateway XL]
- **Supermicro SYS-5019S-L**

Network Connectivity
See installation manual for full requirements on network
- **Gateway and Access Points requires a DHCP server on the network to get IP addresses assigned.**
- **The Gateway communicates with the Access Points using UPnP and TLS 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
[Yanzi IoT Gateway L]
- IECEE/CB, CE/EMC, FCC Part 15, IC/ICES, ACMA/RCM, VCCI, CSA, UL, REACH, RoHS, BSMI, CCC, NOM, NYCE, KC, EAC, TUV, WEEE