

Yanzi Motion+



Your Smart Building Foundation

*Simple to install
Provides motion detection and multiple comfortability sensors
Easily mounted on walls or in ceiling above work desks for accurate monitoring of illuminance
Battery lifetime expectancy up to 5 years with included batteries**

Temperature

Provides motion detection as well as multiple comfortability sensors

Simple

Simple to install - single tap encryption setup

Secure

Easily mounted on walls or in ceiling above work desks for accurate monitoring of illuminance

Yanzi Motion+ is a cost efficient sensor for monitoring occupancy, temperature, humidity, ambient light, and optionally ambient noise.

Use for space utilisation monitoring in ceiling above work desks or on walls in conference rooms, meeting rooms, collaboration rooms, offices, break-out rooms, phone booths, or in lite surveillance applications for storage rooms and server rooms. Efficient coverage in rooms up to 30m2. For larger rooms, multiple Yanzi Motion+ sensors is recommended.

Yanzi Motion+ connects wirelessly to Yanzi IoT 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 Dashboard.

Sound Pressure Monitoring

The sound pressure level (SPL) is measured every five poll periods (default every ten minutes) over a period of 250ms. The typical frequency of measurement is set to save battery. Actual frequency of measurements depend on the configured activity level. Note that the sensor DOES NOT record sound.





Ordering Information

Model name: Yanzi Motion+ (ww)

Model number: MDW3-0231

Packaging Information

Box size: 561 x 217 x 142 mm
22" x 8.5" x 5.6" inch

Box weight: 8.8 kg / 19.4 lbs

Units/box: 50

Minimum order quantities apply

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

PIR Based Motion Detection

- Up to 10m motion detection distance
- 100° Vertical / 90° Horizontal field of view
- Field of view limiters available as accessory for desk mounting

Measurements

Range	Accuracy	Resolution
Temperature +5°C to +50°C	± 0.3°C	0.001°C
Humidity** 20% to 80% RH	± 5% RH	0.1% RH
Illuminance 0.1 to 20,000 Lux	± 15%	0.001 Lux
Sound Pressure*** 38 to 90 dBA	± 4dB (80-6,000Hz)	0.01 dB

Power

- 4 pcs of 1.5V AA batteries, Alkaline or Li-Fe*
- Alkaline batteries included, 4 pcs

Wireless Performance

- IEEE 802.15.4 2.4GHz IPv6 Sensor Network supporting Mesh Technology
- Wireless Output Power 0dBm-8dBm
- Wireless Range 5-25m indoor (indicative)
- Automatic security key management using ECC with AES encrypted communication

Environmental Requirements

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

External Buttons

- Power (slide upwards to start)
- Stat/Rst (press to show status on LED) (press and hold for >20s to reset)

Dimensions

- 96 x 58 x 29 mm (excluding sleeve)
- 164 grams (including sleeve and 4 batteries)

Agency Approvals

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

**To ensure long battery life, Lithium batteries are required. Amount of activity may affect battery lifetime. Enabling sound may affect battery life depending on sampling period.*

***Humidity settling time is 3h for large fluctuations.*

****Sound is sampled periodically.*