# Katrin Smart Dispensers

**Cloud connected towel dispenser and toilet paper dispenser**

Katrin Smart Dispensers continuously monitors the paper levels to allow for high quality of service to tenants. A simple to install wireless solution with full automatic provisioning allows for installation without any technical experience.

Katrin Smart Dispensers connects wirelessly to a Yanzi IoT Gateway in a secure way through Yanzi's "Zero-Touch configuration" and it can be accessed via the Cirrus API within minutes from installation.

Katrin Smart Dispensers utilizes the same smart IP infrastructure as Yanzi's other offers for the Smart Office such as space utilization and wellness.

## Highlights

● High accuracy monitoring of paper usage

● Automatic provisioning - simple to install

● Automatic security key management using ECC with AES encrypted communication

## Getting started

Two steps and Katrin Smart Dispenser is connected

1. Insert batteries and turn on the dispenser.

2. Accept over Cirrus or in Yanzi Installation Tool

You are now ready to use Katrin Smart Dispenser seriers.



## Ordering Information

*Dispensers with sensor technology*
MT40933   Katrin Smart System Toilet, Black
MT40940   Katrin Smart System Toilet, White
MT40902   Katrin Smart Hand Towel M, Black
MT40889   Katrin Smart Hand Towel M, White
MT42876   Katrin Smart System Toilet CC, Black
MT42845   Katrin Smart System Toilet CC, White

*Retrofit kits (without dispenser)*
MT34895   Katrin System Toilet Retrofit Kit
MT34857   Katrin Hand Towel M Retrofit Kit

## Specifications

● Infrared based distance monitoring for accurate paper usage

Accuracy, fill level
● Toilet roll     : ±5%
   Hand towel  : ±5%

Power
● Shipped with 2 pcs of 1.5V AA Li-Fe*
● Maximum current 200mA

Wireless low power high density network
● IEEE 802.15.4, 2.4GHz IPv6 Sensor Network with Mesh technology
● Wireless Output Power 3dBm - 10dBm**
● Wireless Range 5 - 25m indoor, (Indicative) ***
● Omnidirectional internal antenna, 0.5dBi peak gain

Wireless low power long range network
● IEEE 802.15.4g, 868MHz IPv6 Network
● Wireless Output Power 3dBm - 14dBm**
● Wireless Range 30 - 70m indoor (Indicative) ***
● Omnidirectional internal antenna, 0.5dBi peak gain

Environmental Requirements
● Operating Requirements  +5°C to +40°C, 20 - 80% RH(non-condensing)
● Storage Requirements  0°C to +50°C, 20 - 80% RH(non-condensing)
● Designed for indoor use only

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

\*    Never mix old and new batteries, batteries with different chemical compounds, or batteries from different manufacturers. See installation manual for more details.
\*\*   Actual output power depend on regional regulations
\*\*\* Actual range depends on walls, obstacles, radio disturbances, etc. See manual for more details.

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