

# CoWork Kit



## Turning Data into Actionable Insight

### Fast | Flexible | Futureproof

Milesight, Actility and Akenza design and develop CoWork Kit that employs IoT strategies into users' insights in smart office. The Kit will help workspace operators, office managers and building operators connect with the right place, at the right time, with the right data.

#### What Challenges Do You Face?

##### For Workspace Operators

To restore confidence in the return to shared spaces, they are afraid they are not transparent with their tenants on the health status of their managed spaces.

##### For Office Managers

They are frustrated by the fact that they don't have a solution to optimize staffing and reduce office space, improve work conditions, and adapt to human needs.

##### For Building Operators

They are anxious by the time they need to invest in monitoring their indoor air quality in a manual and often inefficient

#### What Will You Get?



Surpass Cellular with Wireless IoT in Range, Cost Efficiency, and Sensor Battery Life



Automated and Always Connected Everything IoT Gets Ready



Smarter and Seamless than You Ever Imagined

# CoWork Kit

Milesight CoWork Kit allows you to quickly switch your scenarios in 6 different modes such as from “working” to “have a break.” With automated control of the curtain, light, window, door or personal computer, you can truly enjoy the highly efficient and intelligent smart environment. This one-size-fits-all solution is a comprehensible way to improve office resources efficiency through Milesight D2D protocol which enables communication within just 1 second. It allows you to check visualized data and help to maintain control over these dynamic and scalable cloud computing environments for your workplace at finger clicks.



**Purchase this CoWork Kit online here:**

<https://market.thingpark.com/milesight-cowork-kit.html>



**“All kits were very well boxed and labelled. A great package.”**

—  
Jon Lockwood, General Manager of OneTemp Pty Ltd



**Learn more about this kit here:**

<https://youtu.be/eJ6XKyr-SsY>



Device to Device  
Communication

Reducing Communication Latency to <1 Sec





Automated Scenario  
Switch and Always Connected




Develop Device-to-Cloud  
Connectivity

# CoWork Kit Specification Overview


Item	Description	Applications
<p>1 x WS101 Smart Button</p> 	<p>WS101 smart button sensor supports different alerts depending on various press actions and can be used in emergency alarm system, remote control or other remote push button applications.</p>	<ul style="list-style-type: none"><li>• Easy to be carried out by the seniors and the disabled or to be installed anywhere</li><li>• Remote control like lights or curtains in Smart Office</li></ul>
<p>1 x WS202 PIR &amp; Light Sensor</p> 	<p>WS202 sensor detects the movement based on passive infrared technology and also equips with light sensor which can link PIR detection so as to control the lights to turn on/off automatically when people are coming or leaving.</p>	<ul style="list-style-type: none"><li>• Meeting room or occupancy detection</li><li>• Asset protection</li><li>• Intelligent light control</li></ul>
<p>1 x WS301 Magnetic Contact Switch</p> 	<p>WS301 sensor uses a magnet to detect the open/close status of door/window or something has been moved. It's wire-free and can be easily mounted on the doors, panes, cabinets, etc.</p>	<ul style="list-style-type: none"><li>• Entry/fire door monitoring</li><li>• Asset protection in the cabinets or boxes</li><li>• Suitable for offices, homes or factories applications</li></ul>
<p>1 x WS156 Smart Scene Panel</p> 	<p>WS156 has 6 buttons to define 6 scenes and each scene can consist of multiple device controls. Besides, it equips a programmable E-ink screen which can customize the display content depending on scenarios.</p>	<ul style="list-style-type: none"><li>• Remote control or alarms</li><li>• Suit for offices, hotels or schools</li></ul>
<p>1 x VS121 AI Workplace Occupancy Sensor</p> 	<p>VS121 counts people based on AI technology and can monitor the occupancy and utilization in workplaces.</p>	<ul style="list-style-type: none"><li>• Meeting room or sitting room occupancy monitoring</li><li>• Line crossing counting</li></ul>
<p>1 x UG65 Semi-Industrial LoRaWAN® Gateway</p> 	<p>UG65 semi-industrial indoor LoRaWAN® gateway provides stable connectivity between sensors and mainstream network servers or Mulesight IoT cloud.</p>	<ul style="list-style-type: none"><li>• Collect data from LoRaWAN® sensors</li><li>• Forward data to Mulesight IoT Cloud or mainstream network servers via Ethernet or Wi-Fi</li></ul>

Item	Description	Applications
<p>ThingPark Enterprise</p> 	<p>ThingPark Enterprise is the leading LoRaWAN® private networking solution that streamlines the digitalization of your business processes by connecting your most valuable assets with efficiency.</p>	<ul style="list-style-type: none"> <li>• ThingPark Enterprise dashboards provide key operational insights &amp; alarm management.</li> <li>• Your LPWAN gateways and devices are managed by a fully geo-redundant platform with 24/7 supervision.</li> </ul>
<p>Akenza</p> 	<p>Akenza is the self-service IoT platform allowing you to build great IoT products and services with value. It connects, controls, and manages IoT devices all in one place. With simple and secure management of smart devices, connectivity, and data, the akenza platform enables the rapid introduction of innovative, smart solutions.</p>	<ul style="list-style-type: none"> <li>• The low-code features of akenza enable you to start your IoT case immediately, even without coding skills. The ultimate IoT stack for your smart solution.</li> </ul>



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## CoWork Sensors

Model	WS101	WS202	WS301	WS156	VS121
Sensors					
Sensor Type	Push Button	Movement & Light Status	Magnetic Contact Switch	6 Scenes Controls	People Counting
Milesight D2D	✓	✓	✓	✓	✓
Detection Range	/	120 ° H, 100 ° V, Max 8 m	15-20 mm Distance	/	190 ° H, 112° V, 3m Height
Hardware Interfaces					
Screen	/	/	/	2.9 Inch E-ink	/
LED	✓	✓	✓	✓	✓
Buzzer	✓	/	/	/	/
Reset Button	✓	✓	✓	✓	✓
Tamper Button	/	/	✓	/	/
Configuration	NFC	NFC	NFC	NFC	Wi-Fi (2.4 GHz)
Physical Characteristics					
Color	White	/	/	/	White
Power Supply	1 × 1650 mAh ER14335 Li-SOCl <sub>2</sub> Battery		1 × 1200 mAh ER14250 Li-SOCl <sub>2</sub> Battery	2 × 590 mAh CR2450 Lithium Coin Cell Batteries	5V/1A by Type-C
Battery Life	Over 3 Years	Over 4 Years	Over 5 Years	Over 3 Years	/
Dimension	50 × 50 × 18 mm	50 × 50 × 23.8 mm	Sensor: 50.5 × 31 × 18.5 mm Magnet: 30 × 13.5 × 10 mm	86 × 86 × 14 mm	85 × 85 × 20 mm
Operating Temperature	-30 to +60 °C	-30 to +60 °C	-20 to +60 °C	-10 to +50 °C (E-Ink Screen: 0 to +50 °C)	-5 to +55 °C
Ingress Protection	IP30	IP30	IP20	IP30	IP20
Installation	On Flat Surfaces with Screws or 3M Tapes				Ceiling Mount

## UG65 Semi-Industrial LoRaWAN® Gateway

### LoRaWAN®

Chip	SX1302
Antenna	2 × Internal Antennas + 1 × 50 Ω N-Female External Connector
Channel	8 (Half/Full-Duplex)
Package Forwarder	Semtech UDP PF, Basics Station, Lorient, Chirpstack, etc.
Network Server	Support

### Hardware Interfaces

Ethernet Port	1 × 10/100/1000 Mbps (PoE PD)
Wi-Fi Interface	IEEE 802.11 b/g/n, 2.4 GHz, Support AP and Client Mode
Console Port	1 × Type-C
LED Indicators	1 × POWER, 1 × STATUS, 1 × LoRa, 1 × Wi-Fi, 1 × LTE, 1 × ETH
Reset Button	1 × RST
Built-in	Watchdog, RTC, Timer

### Physical Characteristics

Power Supply	1. DC Jack Connector for 9-24 VDC Power Supply 2. 1 × 802.3 af PoE Input
Operating Temperature	-40°C to +70°C
Ingress Protection	IP65
Dimension	180 x 110 x 56.5 mm
Installation	Desktop, Wall or Ceiling Mounting

## About Milesight

Milesight is a fast-growing tech company offering smart IoT and video surveillance products with a focus on AI, 5G, Sensing and IoT technologies since 2011. With improved sensing capability and advanced IoT insights, we help customers worldwide optimize their business operation in an efficient and sustainable way. In collaboration with a global network of distributors and system integrators, we are committed to building open ecosystems and accelerating IoT strategies to the next level.

Milesight IoT delivers products including Cellular & 5G Industrial Routers and LoRaWAN® Products to offer complete device-to-cloud-solutions for markets of smart office, smart building and smart agriculture.

## About Actility

Actility is a world leader in Low-Power Wide-Area Networks (LPWAN) industrial-grade connectivity solutions for the Internet of Things. Actility provides ThingPark®, the leading IoT Mediation Platform and network technology to deploy, operate and maintain public and private wireless IoT networks within a unified, scalable and versatile network infrastructure. It's used by thousands of companies and tier-1 global operators, demonstrating 10+ years of field experience in all regions of the world. With a strong background in large-scale project delivery, it offers you all-inclusive industrial grade service and full deployment flexibility with 24/7 monitoring, geo-redundancy,

## About akenza.io

Akenza is the self-service IoT platform allowing you to build great IoT products and services with value. It connects, controls, and manages IoT devices all in one place. With simple and secure management of devices, connectivity, and data, the akenza IoT platform enables the rapid introduction of innovative solutions.

Akenza was developed to help organizations build their smart solutions on a solid technological foundation without reinventing the IoT wheel. The akenza IoT platform can be seen as a bridge between the physical world and the cloud, allowing you to pierce through the barrier between devices and software quickly.

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