

# Smart Scene Panel

Featuring LoRaWAN®

## WS136&WS156

*Milesight*



WS136 & WS156 LoRaWAN® Smart Scene Panel gives a multi button control panel that can simply activate different pre-defined scenes with one-press. Without any additional cable, WS136 & WS156 can be easily installed anywhere and used to control devices via LoRaWAN® or Milesight D2D communication protocol. Besides, it's equipped a user-defined E-ink screen to suit different scenes. Compliant with Milesight LoRaWAN® gateway and Milesight IoT Cloud solution, WS136 & WS156 can be linked to control another Milesight devices without any development.

WS136 & WS156 can be widely used for wireless control in smart office, smart home and hotel multi-scene controls, etc.

## ◆ Features

- Equipped with a programmable E-ink screen for flexible display
- Up to 6 scenes settable, each scene can consist of multiple devices
- Equipped with NFC for one-touch configuration, supporting card emulation mode
- Support Milesight D2D protocol to enable ultra-low latency and directly control without gateway
- Compliant with standard LoRaWAN® gateways and network servers
- Compliant with Milesight IoT Cloud
- Easy installation and multiple installation ways without wiring

## ◆ Specifications

| Wireless Transmission    |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Technology               | LoRaWAN®, Milesight D2D                                                                           |
| Frequency                | CN470/RU864/IN865/EU868/US915/AU915/KR920/AS923-1&2&3&4                                           |
| Tx Power                 | 16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)                                                |
| Sensitivity              | -137dBm                                                                                           |
| Mode                     | OTAA/ABP Class A                                                                                  |
| Interface                |                                                                                                   |
| Display                  | WS156: 2.9-Inch Black & White E-Ink Screen, 128 × 296 Pixels<br>WS136: PVC Sticker (Customizable) |
| Scene Button             | 6 Buttons                                                                                         |
| Button Light             | Blue                                                                                              |
| Others                   | 1 × Reset Button (Internal) + 1 × LED Indicator                                                   |
| Software                 |                                                                                                   |
| Configuration            | NFC                                                                                               |
| Advanced Features        | Milesight D2D Controller, Screen Display Customization                                            |
| Physical Characteristics |                                                                                                   |
| Power Supply             | 2 × 590 mAh CR2450 Lithium Coin Cell Batteries                                                    |
| Battery Life*            | Over 3 years (1080 min interval + 20 presses per day, 25°C)                                       |
| Ingress Protection       | IP30                                                                                              |
| Color & Material         | White, PC + ABS (Flame-retardant)                                                                 |
| Operating Temperature    | -10°C to +50°C (E-Ink Screen: 0°C - 50°C)                                                         |
| Relative Humidity        | ≤ 90% (Non-condensing)                                                                            |
| Dimensions               | 86 × 86 × 14 mm (3.39 × 3.39 × 0.55 in)                                                           |
| Installation             | Desktop, 3M Tape Mounting, 86 Box Mounting                                                        |
| Approvals                |                                                                                                   |
| Regulatory               | CE, FCC, LoRaWAN® Certified                                                                       |
| Environmental            | RoHS                                                                                              |

\* Tested under laboratory conditions and for guideline purposes only.

