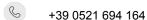


Make Sensing Matter

V3.3





info@erre1.it

www.erre1.it www.syby.it

Via Novella 13, 43058 Sorbolo Mezzani (PR) Italy



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► LoRaWAN® Gateway

Enable All-Round Connectivity

- Mini LoRaWAN® Gateway UG63
- Industrial LoRaWAN® Gateway UG56
- Semi-Industrial LoRaWAN® Gateway UG65
- Outdoor LoRaWAN® Gateway UG67
- Ultra Low Power Solar LoRaWAN® Gateway SG50



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P 06

■ Wi-Fi HaLow Gateway

Wi-Fi HaLow Gateway HL31



LoRaWAN® Smart Thermostat and Radiator

Smart Heating & Cooling Controls with Milesight WT Series

- Smart Radiator Thermostat WT101
- Smart Thermostat WT201
- Smart Fan Coil Thermostat WT301/WT302



P11

Occupancy & People Counting Sensor

Smart People Counting That Matters in Buildings & Retails

- Al Workplace Occupancy Sensor VS121
- Al ToF People Counting Sensor VS133
- Cubicle Occupancy Sensor VS330
- Desk & Seat Occupancy Sensor VS340/VS341
- Passage People Counter VS350
- Ultra ToF People Counter VS135
- Al Stereo Vision People Counter VS125
- Mini Al Thermopile People Counter VS351
- IR Breakbeam People Counter VS360



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■ Indoor Air Quality (IAQ) Sensor

Directly, See CO₂ and More

- 2-in-1 IAQ Sensor AM102/AM102L
- 3-in-1 IAQ Sensor AM103/AM103L
- 9-in-1 IAQ Sensor AM307(L)/AM308(L) /AM319(L)



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Space Optimization & Management Sensor

Explore the Potential of Workplace with CoWork Series

- Smart Button WS101
- Smart Scene Panel WS136 & WS156
- Smart Fill Level Monitoring Sensor WS201
- PIR & Light Sensor WS202
- Motion & TH Sensor WS203
- Wire-Free Magnetic Contact Switch WS301
- Sound Level Sensor WS302
- Mini Leak Detection Sensor WS303
- Smart Wall Switch WS50x
- Smart Wall Socket WS51x
- Smart Portable Socket WS523
- Smart Light Controller WS558



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IoT Display

Integrate Connectivity and Applications in One

• IoT E-ink Display DS3604





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iBox Kit Series

Kick off IoT PoCs with LoRaWAN® Demo Kits

- iBox IAQ Kit
- iBox CoWork Kit
- · iBox Smart Building Kit
- iBox Smart Restroom Kit
- iBox Smart Agriculture Kit



Milesight IoT Product Catalogue

Milesight IoT Product Catalogue

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■ Temperature Sensor

Safeguard Freshness for Better Wellness

- Insertion Temperature Sensor TS101
- Cost-Effective Temperature Sensor TS201
- LoRaWAN® Temperature Sensor TS301/TS302





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Indoor Gas Sensor

Accurately, See NH₃ and More

- Gas Detector GS101
- Bathroom Odor Detector GS301
- Vape Detector GS60^o



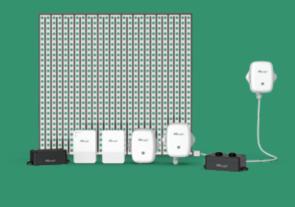


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Building & UrbanEnvironment MonitoringSensor

Develop Smart Cities with Milesight EM300 Series

- Capacitive Level Sensor EM300-CL
- Pulse Counter EM300-DI
- Magnetic Contact Switch EM300-MCS
- Membrane Leakage Detection Sensor EM300-MLD
- Temperature & Humidity Sensor EM300-TH
- Leak Detection Sensor EM300-SLD/ZLD
- Tilt Sensor EM310-TILT
- Ultrasonic Distance/Level Sensor EM310-UDL
- FDA Approved Temperature & Humidity Sensor EM320-TH
- FDA Approved Tilt Sensor EM320-TILT



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Distance/LevelMeasurement Sensor

Discover New Possibilities with Milesight EM400 Series

- ToF Laser Distance Sensor EM400-TLD
- Multifunctional Ultrasonic Distance Sensor EM400-MUD
- Ultrasonic Distance Sensor EM400-UDL



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Industrial & Suburban Environment Monitoring Sensor

Build Smart World with Milesight EM500 Series

- CO₂ Sensor (4 in 1) EM500-CO₂
- Light Sensor EM500-LGT
- Pipe Pressure Sensor EM500-PP
- Industrial Temperature Sensor EM500-PT100
- Ultrasonic Distance/Level Sensor EM500-UDL
- Soil Moisture, Temperature and Electrical Conductivity Sensor EM500-SMTC
- Submersible Water Level Sensor EM500-SWL



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Smart Current Transformer

Protect and Manage Critical Assets at All Times

- Smart Current Transformer(CT101 & CT103)
- Smart Current Transformer(CT305 & CT310)



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Asset Tracker

Protect and Manage Critical Assets at All Times

- Outdoor Asset Tracker AT101
- Uninterruptible Power Supply UPS01
- Milesight Field Tester FT101



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IoT Weather Station

Measure Atmospheric Conditions Precisely

• IoT Weather Station Pro Version WTS506



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■ IoT Controller Series

Empower Automatic and Intelligent Control

- Modbus to LoRaWAN® IoT Controller LIC100
- LoRaWAN®/4G IoT Controller UC300
- Multi-Interface LoRaWAN® Controller UC50x
- LoRaWAN® Solenoid Valve Controller UC51





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■ Milesight IoT Cloud

User-Friendly and Effortless Management

Milesight IoT Cloud



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Connectivity Suite

Remote and Bulk Management

- DeviceHub
- Milesight VPN

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Enable All-around Connectivity

Milesight IoT Gateway

LoRaWAN Wi-Fi HaLow BACnet C

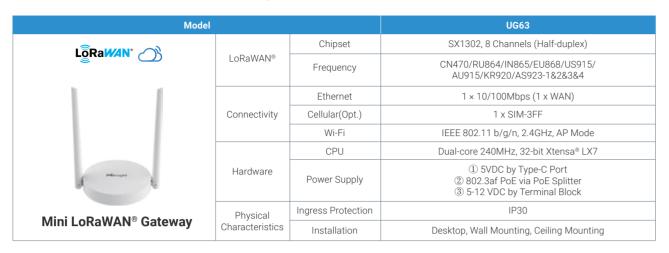


Overall Features

- Provide Large Capacity & Faster Data Processing
- Handle Higher Amount of Traffic with Lower Consumption
- Handle Massive Sensor Data Efficiently
- OpenVPN/IPsec/PPTP/L2TP/GRE/DMVPN
- Embedded Network Server & High Compatibility with Mainstream Networks Including Actility
 - and Senet
- Support CN470/RU864/IN865/EU868/AU915/US915/KR920/AS923-1&2&3&4
- Connecting End Nodes Varies from Class A/B/C
- Extraordinary Features: Noise Analyzer, Multicast, Gateway Fleet and Listen Before Talk (Except UG63)
- Embedded Node-RED Development Tool (UG56/65/67)
- Embedded Python SDK (UG56/65/67)
- Support BACnet (UG56/65/67)

Milesight IoT Product Catalogue Milesight IoT Product Catalogue 06

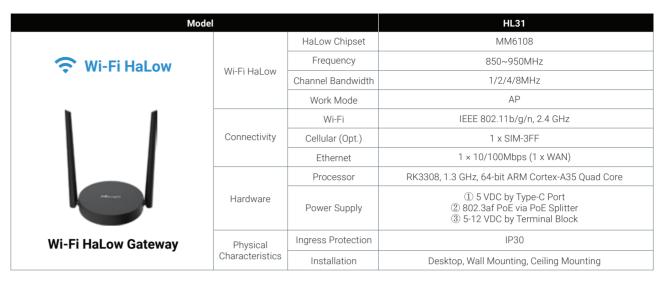
Enable All-around Connectivity



| Mode | | | UG56 |
|-----------------------------|-----------------------------|--------------------|--|
| | | Chipset | SX1302, 8 Channels (Half-duplex) |
| I PAC not | | Antenna | 1×50 Ω SMA Connector (Center PIN: SMA Female) |
| LogRaMAN" BACnet | LoRaWAN® | Frequency | CN470/IN865/EU868/RU864/US915/ AU915/KR920/AS923-1&2&3&4 |
| 1 1 | | Protocol | V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C |
| | Connectivity | Ethernet | 1 x RJ45 PoE PD Port, 10/100 Base-T (IEEE 802.3) |
| | | Wi-Fi | IEEE 802.11b/g/n, 2.4 GHz |
| | | Cellular (Opt.) | 1 x Mini SIM-2FF Slot, Support Global GSM/3G/4G LTE Frequency Bands |
| Muspe | Hardware | CPU | Quad-core 1.3 GHz, 64-bit ARM Cortex-A35 |
| | | Power Supply | ① 1 × 802.3af Standard PoE Input ② 5V, 2A by Type-C Port |
| | | Ingress Protection | IP30 |
| Industrial LoRaWAN® Gateway | Physical Characteristics | Dimension | 110 x 75 x 24 mm (4.33 x 2.95 x 0.94 in) |
| maddia zonam a oatona, | Onaraction . | Installation | Desktop, Wall Mounting |

| Model | | | UG65 |
|------------------|-----------------------------|--------------------|---|
| | | Chipset | SX1302, 8 Channels (Half/Full-duplex) |
| | | Antenna | 1×50 Ω N-Female External Connector (Opt.) |
| LogRawan BACnet | LoRaWAN® | Frequency | CN470/IN865/EU868/RU864/US915/AU915/ KR920/AS923-1&2&3&4 |
| Ш | | Protocol | V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C |
| | | Ethernet | 1 x RJ45 PoE PD Port, 10/100/1000 Base-T (IEEE 802.3) |
| | Connectivity | Wi-Fi | IEEE 802.11b/g/n, 2.4 GHz |
| | | Cellular (Opt.) | 1 x Mini SIM-2FF Slot, Support Global GSM/3G/4G LTE Frequency Bands |
| Mospe | Hardware | Processor | Quad-core 1.5 GHz, 64-bit ARM Cortex-A53 |
| | | Built-in | Watchdog, RTC, Timer |
| | | Power Supply | ① 1 × 802.3 af Standard PoE Input ② 9 ~ 24 VDC by DC Male Jack Connector |
| Semi-Industrial | | Ingress Protection | IP65 |
| LoRaWAN® Gateway | Physical Characteristics | Dimension | 180 x 110 x 56.5 mm (7.09 x 4.33 x 2.22 in) |
| | | Installation | Desktop, Wall or Pole Mounting |

Enable All-around Connectivity



| Mode | ı | SG50 | |
|---|-----------------------------|--------------------|---|
| | | Chipset | SX1302, 8 Channels (Half-duplex) |
| L@RaWAN° | | Antenna | 1 × 50 Ω N-Female External Connector |
| Light and Light | LoRaWAN® | Frequency | CN470/IN865/EU868/RU864/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Protocol | V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C |
| | Connectivity | Wi-Fi | IEEE 802.11 b/g/n, 2.4GHz, AP Mode |
| reddet winner 2024 | | Cellular | 1 x Nano SIM-4FF, Support Global GSM/3G/4G LTE Frequency Bands |
| | | Processor | Dual-core 240MHz, 32-bit Xtensa® LX7 |
| tuldud tailuid | Hardware | Built-in | Watchdog, Timer |
| Ultra Low Power Solar | нагимаге | Power Supply | ① Solar Power or DC Power (12~24VDC) via M12 Connector ② 3.6V, 25000mAh Backup Batteries ③ 5V, by Type-C Port |
| LoRaWAN® Gateway | 61 | Ingress Protection | IP67 |
| Lonarian Gateway | Physical Characteristics | Dimension | 250 × 157.5 × 46mm (9.84 x 6.20 x 1.81 in) |
| | 21.2.22.01.00.00 | Installation | Wall or Pole Mounting |

| Model | | | UG67 |
|--------------------------|----------------------------|--------------------|--|
| | | Chipset | SX1302, 8 Channels (Half/Full-duplex) |
| LogRawan' BACnet | | Antenna | $2 \times 50~\Omega$ N-Female External Connectors |
| | LoRaWAN® | Frequency | CN470/IN865/EU868/RU864/US915/ AU915/KR920/AS923-1&2&3&4 |
| | | Protocol | V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C |
| | | Ethernet | 1 x RJ45 PoE PD Port, 10/100/1000 Base-T (IEEE 802.3) |
| | Connectivity | Wi-Fi | IEEE 802.11b/g/n, 2.4 GHz |
| | | Cellular (Opt.) | 1 x Mini SIM-2FF Slot, Support Global GSM/3G/4G LTE Frequency Bands |
| | | GPS | Support (Internal Antenna) |
| _0_0 | Hardware | Processor | Quad-core 1.5 GHz, 64-bit ARM Cortex-A53 |
| Phot | | Built-in | Watchdog, RTC, Timer |
| | | Power Supply | ① 1 × 802.3 af Standard PoE Input ② 12 VDC with M12 Connector |
| | | Ingress Protection | IP67 |
| Outdoor LoRaWAN® Gateway | Physica Characteristics | Dimension | 240 x 164 x 90.9 mm (9.45 x 6.46 x 3.58 in) |
| outera, | | Installation | Wall or Pole Mounting |



- Great Candidate for Smart Temperature Control via HVAC Systems, Radiator, Fan Coil Unites, etc.
- Accurate Temperature Detection and Calibration
- Support Pre-set Date Period with Programmable Schedules
- Support Child Lock to Prevent Tampering (WT101/WT201)
- Compatible with Hotel Room Card Systems for Convenient Remote
- ✓ Management (WT201/WT30x)
- LoRaWAN® Wireless Deployment with Low Power Consumption
- Support Integration with BACnet Systems
- Milesight D2D with Communication Latency to <1 Sec (WT201)
- Long Battery Life and Wireless Installation for Easy Deployment (WT101)

Smart Heating and Cooling Controls

| Mode | el | WT101 | |
|---------------------------|--------------------------|-----------------------|--|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | IN865/RU864/EU868 |
| | Transmission | Mode | OTAA/ABP Class A |
| L@RaWAN° 🔿 🔃 | | Actuator | Stepping Motor |
| | | Default Valve Fitting | M30×1.5mm |
| | Valve Control | Optional Adapters | RA, RAV, RAVL, Giacomini, M28 (Comap, Herz, TA) |
| is is | | Advanced Feature | Automatic Temperature Control, Heat plans, Child Lock, Freeze Protection, Open-window Detection, Tamper Alarm |
| | | Sensor Type | NTC |
| - | Temperature Sensor | Range | -20°C ~ 60°C |
| | Jenson | Accuracy | ± 0.5°C (0°C ~ 50°C) |
| Smart Radiator Thermostat | | Power Supply | 2 x 1.5V Li-FeS ₂ AA Replaceable Batteries (3000 mAh in Total) |
| | Physical | Battery Life* | Around 5 Years |
| | Characteristics | Ingress Protection | IP30 |
| | | Installation | Latching on the Valve |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | | WT201 | |
|------------------|-----------------|-------------------------------------|---|
| | | Technology | LoRaWAN®, Milesight D2D |
| | Wireless | Frequency | US915/AU915/KR920/AS923-1&2&3&4 |
| LoRaWAN° () | Transmission | Mode | OTAA/ABP Class C |
| | | Temperature Control Mode Options | Heat, EM (Emergency) Heat, Cool, Auto |
| | Thermostat | Fan Mode Options | Auto, On, Circulate |
| | Feature | Advanced Feature | Local Control Schedule, Threshold Alarm, Freeze Protection, Child Lock, Multicast, Milesight D2D Controller, Milesight D2D Agent, Data Storage, Data Retransmission |
| = 12 = 8 | Sensor | Sensor Type & Range | NTC, -4°F to 140°F (-20°C to 60°C) Temperature: -4°F to 140°F (-20°C to 60°C) Humidity: 0% - 100% RH |
| | Others | Configuration | NFC or Type C USB |
| Smart Thermostat | | Power Supply | 20 to 30 VAC, 24 VAC Nominal |
| Smart mermostat | Physical | Ingress Protection | IP30 |
| | Characteristics | Dimension | 113 x 110 x 21 mm (4.45 x 4.33 x 0.83 in) |
| | | Installation | Wall Screw Mounting |

| Model | | | WT301 | WT302 |
|---------------------------|--------------------------|--------------------------|---|--------------------------------------|
| | | Technology | LoRaWAN® | |
| | Wireless Transmission | Frequency | CN470/IN865/EU868/RU864/US915/AU915/ KR920/AS923-1&2&3&4 | |
| | | Mode | OTAA/AB | P Class C |
| LoRa <i>W∕</i> AN° | | Compatible Fan Coil | Two Pipes, 3-spee | d Fan, 95~240 VAC |
| | Thermostat | Fan Relay Amps | Resistance: 5A | A, Inductive: 3A |
| Photo Control | Feature | Commpatible Valve | Two-wire On/Off Motorized Valve | 0-10V Proportional Integral Valve |
| | | Valve Relay Amps | Resistance: 3A, Inductive: 1A | |
| | Temerature Sensor | Sensor Type & Range | NTC, -20°C~60°C | |
| | | Power Supply | 95~240 VAC, 50~60Hz | |
| Smart Fan Coil Thermostat | Physical | Operating Temperature | 0°C~45°C | |
| | Characteristics | Ingress Protection | IP20 | |
| | | Dimension | 88 × 88 × 41.8 mm (| 3.46 × 3.46 × 1.65 in) |
| | | Installation | 86*86mm Square or European 60mm Round Box Mounting | |



- High Accuracy of Detection
- All LoRaWAN® Versions Are GDPR-Compliant & 100% Anonymity-Detecting
- Support Milesight D2D with Communication Latency to <1 Sec (VS121/VS34x/VS350)
- High Ceiling Mount Version Available (VS121/VS135 Series)
- Smart U-Turn Detection (VS121/VS133/VS135/VS351)
- Dwell Time Detection (VS121/VS125/VS133/VS135)
- Bi-Directional People Counting via In/Out Counting
- (VS121/VS125/VS133/VS135/VS350/VS351/VS361)
- Advanced Heat Map Available (VS133-P/VS135-P)

Smart People Counting That Matters in Buildings & Retails

| Model | | | VS121 | VS121-P | |
|-------------------------------|-----------------------------|---------------------|---|---|--|
| | | Technology | LoRaWAN® , Milesight D2D | | |
| L@RaWAN* (1) A | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/ US915/AU915/KR920/ AS923-1&2&3&4 | - | |
| | | Mode | OTAA/ABP Class C | | |
| | Ethernet | Ethernet Port | | 1× RJ45 10/100 Mbps (PoE PD) | |
| | Transmission | Network Protocol | - | MQTT(s), HTTP(s), RTSP, NTP, SSH, etc. | |
| Al Workplace Occupancy Sensor | | Field of View | Standard Version: 190° Horizontal, 112° Vertical High Ceiling Mount Version: 129.4° Horizontal, 68.4° Vertical | | |
| | Measurement | Recognition Range | Standard Version: a Radius of 5 Meters, At the Height of 3m High Ceiling Mount Version:18m × 7m, At the Height of 7m | | |
| Poe Al | | Recognition Rate | Region Counting: Up to 95% Line Crossing Counting: Up to 98% People Flow Analysis: Up to 98% | | |
| | | Installation Height | Standard Version: 2.5m to 4m High Ceiling Mount Version: 5m to 7m | | |
| • | | Advanced Feature | Mapped Detection Region Customization, Filter U-Tui Privacy Mask, Dwell Time Detection | | |
| | | Configuration | Wi-Fi | Ethernet | |
| Al Workplace Occupancy Sensor | Physical Characteristics | Power Supply | 5 VDC / 1.5A by Type-C Port | 1. 5 VDC / 2A by Terminal Block 2. 802.3af PoE | |
| , , , , , , | | Installation | Ceiling I | Mounting | |

| Model | | | VS133 | VS133-P | |
|-------------------------------|-----------------------------|--------------------------|--|--|--|
| | | Technology | LoRaWAN® | | |
| LÔRAMAN' () TOF A | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/ US915/AU915/KR920/ AS923-1&2&3&4 | - | |
| reddot winner 2024 | | Mode | OTAA/ABP Class C | | |
| Alexander | Ethernet | Ethernet Port | _ | 1× RJ45 10/100 Mbps (PoE PD) | |
| | Transmission | Network Protocol | - | MQTT(s), HTTP(s), NTP, 802.1x, SSH, LLDP, BACnet/IP, etc. | |
| Al ToF People Counting Sensor | Measurement | ToF | FoV: 98° Horizontal, 80° Vertical Light Beam: 940nm (Invisible) | | |
| | | Accuracy | <3.5 cm | | |
| | | Range | 0.5~3.5 m | | |
| TOF All | | Recognition Rate | Up to 99.8% | | |
| | | Configuration | Wi-Fi | Ethernet | |
| | | Power Supply | 12VDC / 2A | 802.3 at PoE+ | |
| | Physical Characteristics | Operation Temperature | -20°C ~ +50°C | | |
| Al ToF People Counting Sensor | | Ingress Protection | IP | 40 | |
| | | Installation | Ceiling Mounting, Extended Ceiling Mounting & Lintel Mounti (with Optional Multifunctional Bracket) | | |

Smart People Counting That Matters in Buildings & Retails

VS330 Technology LoRaWAN® Wireless CN470/IN865/RU864/EU868/US915/AU915 Frequency /KR920/AS923-1&2&3&4 OTAA/ABP Class A Mode LoRaWAN° () TOF 💖 ToF FoV 27° ToF Detetion Accuracy ±2cm, 0.040 ~ 3.500m and Range Measurement Detection Area 80° Detection Distance Maximum 2.5m Sensor Adjustable Others 0°, 15°, 30°, 45°, 60°, 75° Configuration Mobile App via NFC Easily Replaceable Batteries with up to 4-Year Battery Life Power Supply* **Cubicle Occupancy Sensor** Button 1 × Power/Reset Button Physical Characteristics Ingress Protection Ф100 x 24 mm (Ф3.94 x 0.95 in) Dimension Installation Ceiling Mount or Wall Mount via Screws or 3M tapes

| Model | | | VS340 | VS341 |
|------------------------------|--------------------------|---------------------------|---|--------------------------------|
| | | Technology | PIR | PIR & Thermopile |
| L@RaWAN* D2D 💆 | Occupancy | Recognition Rate | Up to 95% | Up to 98%* |
| | Detection | PIR Detection Area | 107° Horizonta | al, 107° Vertical |
| (A) | | PIR Detection Distance | Withi | in 1m |
| | | Technology | LoRaWAN®, N | Milesight D2D |
| Desk & Seat Occupancy Sensor | Wireless Transmission | Frequency | CN470/IN865/EU868/RU864/US915/ AU915/KR920/AS923-1&2&3&4 | |
| | | Mode | OTAA/ABP Class A | |
| LogRaWAN D2D 💆 📑 | | Power Supply | 1 x 4000 mAh ER18 | 505 Li-SOCL2 Battery |
| | | Battery Life** | Around 5 Years (100 Triggers per Day, 25°C) | |
| -8- | Physical | Configuration | NFC Configuration via Mobile App | |
| Desk & Seat Occupancy Sensor | Characteristics | Operating Temperature* | -20°C ~ +60°C | |
| | | Dimension | 73 x 73 x 26 mm (2.87 x 2.87 | x 1.02 in) (Without PIR Cover) |
| | | Installation | 3M Tape Mounting, Wall Screw Mounting | |

^{*} The temperature range of thermopile to reach best recognition rate is $+10^{\circ}$ C to $+30^{\circ}$ C. ** Tested under laboratory conditions and for guideline purposes only.

Smart People Counting That Matters in Buildings & Retails

| Mode | el | | V\$350 |
|------------------------|-----------------------------|--------------------------|--|
| | | Technology | Dual PIR |
| | People | Installation Height | Ceiling Mount: ≤ 3.0m, Wall Mount: 1.2m~1.3m |
| LogRaWAN° D2D € | Counting | Detection Range | Bi-directional People Counting Ceiling Mount: Passage Width = 2.8 m (At the height of 3m) Wall Mount: Passage Width < 2.3 m |
| | | Technology | LoRaWAN®, Milesight D2D |
| | Wireless Transmission | Frequency | CN470/IN865/EU868/RU864/US915/AU915 /KR920/AS923-1&2&3&4 |
| 1 Manager | | Mode | OTAA/ABP Class A |
| Q | Physical Characteristics | Power Supply | 2 x 2700 mAh ER14505 Li-SOCl2 Replaceable Batteries |
| Passage People Counter | | Battery Life* | Around 4 Years (10-min Interval, 25°C, 1000 People per Day) |
| Passage People Counter | | Operating Temperature | -20°C ~ +60°C |
| | | Dimension | 100 x 70 x 21 mm (3.94 x 2.76 x 0.83 in) |
| | | Installation | Ceiling Mount, Wall Mount |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | ı | | VS135-P | VS135-L08EU | VS135-HL- 868M/915M | VS135-868M/ 915M/470M |
|--------------------------|--------------------------|---------------------|--|---|-------------------------------------|--|
| | | ToF FoV | Standard Version: 98° Horizontal, 80° Vertical / High Ceiling Mount Version: 60° Horizontal, 45° Vertical | | | |
| | | ToF Light Beam | | 940nm (Invisible) | | |
| | | ToF Lighting Mode | | Auto/Al | ways On | |
| | | Measuring Accuracy | Н | Standard Vers High Ceiling Mour | | em |
| LogRaWAN° 4G° TOF | People Counting | Installation Height | Hig | Standard Versi gh Ceiling Mount | ion: Up to 3.5m Version: Up to 6 | .5m |
| ◯ Wi-Fi HaLow | | Recognition Rate | | Up to | 99.8% | |
| ♥ WI-FI HaLOW | | Advanced Feature | Multi-Devices Stitching, Group Counting, Heat Map, Dwell Time Detection, Regional People Counting, Staff Detection, Children/Adults Differentiation, Filter U-turns Dwell Tim Detection Regional Peo Counting, St Detection Children/Adults | | | Group Counting, Dwell Time Detection, Regional People Counting, Staff Detection, Children/Adults Differentiation, Filter U-turns |
| | | Wi-Fi | IEEE 802.11 b/g/n, 2.4GHz (AP Mode for configuration) | | | nfiguration) |
| AUDIUMUD. | Wireless Transmission | Technology | | LTE Cat 4 | Wi-Fi HaLow | LoRaWAN® |
| Ultra ToF People Counter | | Frequency/Band | - | LTE-FDD: B1/B3/B7/B8/ B20/ B28 WCDMA: B1/B8 GSM/EDGE: B3/B8 | 915/868MHz | N470/IN865/ EU868/RU864/ US915/AU915/ KR920/AS923- 1&2&3&4 |
| | | Power Supply | 802.3at PoE+ or DC12V | | DC12V | |
| | Physical | Ingress Protection | | IP65 | | |
| | Characteristics | Color | | White | /Black | |
| | | Installation | | Ceiling Mounting, Extended Ceiling Mounting & Mounting (with Optional VB01 Multifunctional Bracket) | | |

Smart People Counting That Matters in Buildings & Retails

| Mode | | | VS125-P | VS125-L0BEU | |
|---------------------------------|----------------------------------|---|--|--|--|
| | | Sensor | 2 x 4MP Senso | r (2688 x 1520) | |
| | | Recognition Rate | Up to 99.8% | | |
| | Sensor | Installation Height | 2.2 ~ 6m | | |
| | | Required Illumination | 0 lux with iR il | luminators On | |
| | | Bi-Directional People Counting | Up to 4 detection lines for b | i-directional people counting | |
| | | U-turn Filtering | | ng of people wandering people counting areas | |
| Poe 4.6° 00 | Advanced | Regional People Counting & Dwell Time Detection | Up to 4 detection areas (up t for regional people countir | to 10 decagon for each area) ng and dwell time detection | |
| | function | Children/ Adult Differentiation | Support | | |
| | | Gender Recognition | Linder development | port | |
| Most | | Expression Recognition | | velopment | |
| | | Multi-Device Stitching | Support up to 8 devices stitching to expand coverage (Under development) | | |
| | | Ethernet Port | 1 × RJ45 10/100 Mbps (PoE PD) | 1 x RJ45 10/100 Mbps(Only used for Multi-Device stitching) | |
| Al Stereo Vision People Counter | Data transmission | Network Protocol | MQTT(s), HTTP(s), 802.1x, SSH, NTP, etc. | MQTT(s), HTTP(s), SSH, NTP, etc. | |
| | t and modern | Frequency Band | - | B1/B3/B5/B7/B8/B20/B28 for EMEA+Australia/ New Zealand | |
| | 0.1 | DI/DO | 1, | /1 | |
| | Others Physical Characteristics | Wi-Fi | IEEE 802.11 b/g/n, 2.4GHz | (AP Mode for configuration) | |
| | | Power Supply | 802.3af PD or DC 12V/1A | DC 12V/1A | |
| | | Local Storage | | illion data records o export csv file | |
| | | Installation | | ded Ceiling Mounting & nal Multifunctional Bracket) | |

| Model | | | VS351 |
|-----------------------------------|-----------------|----------------------------|---|
| | | Technology | Radar (Battery Version Only) & Thermopile |
| | | Detection Rate | Up to 95% (Single Person: Up to 99%) |
| LoRaWAN* N 🕢 📞 | Measurement | Sensor Adjustable Angle | 0°~90° |
| | | Range | -30°C ~ 70°C |
| - | | Advanced Features | U-Turn Filtering, Bi-directional People Counting, Side by Side Differentiation |
| | Wireless | Technology | LoRaWAN®, Milesight D2D |
| Type-C Version | Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915 /KR920/AS923-182&3&4 |
| • | Others | Advanced Feature | Data Storage, Data Retransmission, Data Retrievability, Milesight D2D Controller |
| ★ | | Configuration | NFC |
| Wireless Battery Version | Physical | Power Supply | 1. 5V/1A by Type-C Port (Both Versions) 2. 4x9000 mAh ER26500 Li-SOCl ₂ Replaceable Batteries (Battery Version Only) |
| Mini Al Thermopile People Counter | Characteristics | Battery Life | Around 1.6 Years (30-min Interval, 25°C, 1000 People per Day |
| i copie odditei | | Installation | Ceiling Mounting, Lintel Mounting |

Smart People Counting That Matters in Buildings & Retails

| Model | | | VS360 |
|-----------------------------|-----------------------------|----------------------------|---|
| | | Technology | IR Breakbeam |
| LogRaWAN° N ∵ | Measurement | Installation Height | 0.7m ~ 1.2m |
| | | Bi-directional Counting | Support |
| | | Technology | LoRaWAN®, Milesight D2D |
| Months II | Wireless Transmission | Frequency | CN470/IN865/EU868/RU864/US915/ AU915/KR920/AS923-1&2&3&4 |
| Mouge | | Sensitivity | -137dBm |
| | Others | Advanced Feature | Data Storage, Data Retransmission, Data Retrievability, Milesight D2D Controller |
| | | Screen | 1 × OLED Screen for Master Device |
| Mount | | Power Supply | NFC Configuration via Mobile App |
| IR Breakbeam People Counter | Physical Characteristics | Operating Temperature* | 2 x 2700 mAh ER14505 Li-SOCl ₂ Replaceable Batteries for per device |
| | | Battery Life | Around 3 Years (10-min Interval, 2000 People per Day) |
| | | Installation | Wall Mount |





- Multi-Sensor in One for Various Scenarios
- Wireless Installation with Anti-theft Protection
- Support Data Storage and Retransmission
- Powered via USB Type-C (AM319(L))
- Multi-years Battery Life (AM102(L)/AM103(L)/AM307(L)/AM308(L))
- Traffic Light Status Indicator for Direct Notification (AM102(L)/AM103(L)/AM307(L) /AM308(L)/AM319(L))
- Support Smart Screen Mode (AM102/AM103/AM307/AM308)
- Hibernation Mode for Ultra-Low Power Consumption (AM102/AM103)

See CO₂ and More to Optimize Energy Efficiency and Healthy

| N | Model | | AM102 | AM102L | AM103 | AM103L |
|-------------------|-----------------------------|----------------------|---|---|--|------------|
| | | Technology | LoRaWAN® | | | |
| LÔRAMAN O | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 | | | |
| CERTIFIED. | | Mode | | OTAA/AE | BP Class A | |
| | | Temperature | | ± 0.2°C (-20 |)°C ~ 60°C) | |
| 203 58 3 t | Measurement | Humidity | | ± 2% RH (0% F | RH~ 100% RH) | |
| Mount | | Carbon Dioxide (CO2) | ± (30 ppm + 3% c 400 to 5000 | | | |
| 2-in-1 IAQ Sensor | | Configuration | | NFC | | |
| | | Power Supply* | 2 × 2700 m | 2700 mAh ER14505 Li-SOCl2 Replaceable Bat | | |
| 560° © | | Battery Life* | Over 7 Years | Over 9 Years | Up to 3 Years | Up to 4 Ye |
| Manager Manager | Physical Characteristics | Display | 2.13-inch Black & White E-Ink Screen | - | 2.13-inch Black & White E-Ink Screen | - |
| 3-in-1 IAQ Sensor | | Alarm System | 1 × Traffic Light Status Indicator | | | |
| | | Ingress Protection | | IP | 30 | |
| | | Dimension | 68 × | 65 × 20.5 mm (| 2.68 × 2.56 × 0.8 | l in) |
| | | Installation | Wall Screw Mounting, 3M Tape Mounting | | | |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Model | | | AM307(L) | AM308(L) | AM319(L) |
|---|--------------------------|-----------------------------------|---|---|--------------------------------|
| | | Technology | LoRaWAN® | | |
| LÔRaWAN () | Wireless Transmission | Frequency | CN470/RU864/IN865/EU868/US915/AU915/ KR920/AS923-1&2&3&4 | | |
| S CERTIFIED: | | Work Mode | OTAA/ABP Class A | OTAA/ABP Class A | OTAA/ABP Class 0 |
| THE R. P. LEWIS CO., LANSING, MICH. | | Temperature | | ± 0.2°C (-20°C - 60°C) | |
| Marget Marget | | Humidity | <u>+</u> | :2%RH (0% ~ 100%RH |) |
| Mage 10 and 10 Mages 10 | | Motion | Va | acant/Occupied (Statu | ıs) |
| 1 1 | | Light | 0-60000 L | Lux (Determine as 6 Le | evels, 0-5) |
| 7-in-1 IAQ Sensor | | TVOC (IAQ Rating) | 1.00 - 5.00, ±1 Accuracy | | |
| | | Barometric Pressure | ±0.5 hPa (260 ~ 1260 hPa) | | |
| SE SE | Measurement | Carbon Dioxide (CO ₂) | | 0 ppm + 3% of Reading), 400 ~ 5000 ppm | |
| (E) Str. on on | | PM2.5 & PM10 | - | | (0-100 μg/m³), ~ 1000μg/m³) |
| 8-in-1 IAQ Sensor | | Formaldehyd(HCHO)* | | - | ±10% (0 - 1.25 mg/m3) |
| A. | | Ozone (O3)* | - | | ±5% FS (0 - 10 ppm |
| WELL | | Configuration | | NFC, USB Type-C Por | t |
| 553 N III PAtropy 102 N III PAtropy 102 N III PAtropy 102 N III PATROPY 103 N III N | Physical | Power Supply** | AM307: Around 3 Years AM307L: Around 5 Years | AM308: Around 1 Years AM308L: Around 1.5 Years | 5V/1A by Type-C Port |
| 0 in 1140 0 | Characteristics | Ingress Protection | | IP30 | |
| 9-in-1 IAQ Sensor | | Dimensions | | 4 × 22 mm (3.97 × 4.4 & 4.2-inch E-Ink Scree | |
| | | Installation | 3M Tape Mounting | , Wall Screw Mountin | g, 86 Box Mounting |

^{*} HCHO or O_3 sensor is alternative option and both support replacement.

^{**} Tested under laboratory conditions and for guideline purposes only



- Suitable for Workplace Utilization and Power Consumption Management
- LoRaWAN® Wireless Deployment with Low Power Consumption
- Support Multicast, Overcurrent Protection, Remote and Local Control (WS50x/WS51x/WS523/WS558)
- Milesight D2D with Communication Latency to <1 Sec (Except WS201)
- Long Battery Life and Wireless Installation for Easy Deployment (Except WS50x/WS51x/WS558)

The Workplace of the Future - Safer and Smarter

| Model | | | W\$101 |
|---------------|-----------------------------|--------------------|--|
| | | Technology | LoRaWAN®, Milesight D2D |
| LORAWAN D2D C | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Mode | OTAA/ABP Class A |
| | Physical Characteristics | Power Supply* | Easily Replaceable Battery with over 5-year Battery Life |
| | | Ingress Protection | IP30 |
| Mage | | Dimensions | 50 × 50 × 18 mm (1.97 × 1.97 × 0.71 in) Button: Ф20 mm (Ф0.79 in) |
| | | Installation | On the Flat Surfaces with Screws or 3M Tapes, Lanyard |
| | | Configuration | NFC |
| Smart Button | Others | Button | 1 × External Button + 1 × Reset Button (Internal) |
| | | Advanced Feature | Milesight D2D Controller |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Model | | | WS136/WS156 |
|-------------------|-----------------------------|--------------------|---|
| | | Technology | LoRaWAN®, Milesight D2D |
| LORaMAN D2D O | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Mode | OTAA/ABP Class A |
| | | Power Supply* | Easily Replaceable Batteries with over 3-Year Battery Life |
| | Physical Characteristics | Ingress Protection | IP30 |
| 14 | | Dimensions | 86 × 86 × 14 mm (3.39 × 3.39 × 0.55 in) |
| 2 S * = | | Display | 2.9-Inch Black & White E-Ink Screen (WS156 Only) |
| 3 6 | | Installation | Desktop, 3M Tape Mounting, 86 Box Mounting |
| | Others | Configuration | NFC |
| Smart Scene Panel | | Button | 6 Scene Buttons (Blue Light) & 1 Reset Button (Internal) |
| | | Advanced Feature | Milesight D2D Controller, Screen Display Customization |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Model | | | WS201 |
|---------------------------------------|-----------------------------|--------------------------|--|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/ IN865/RU864/EU868/US915/AU915/ KR920/AS923- 1&2&3&4 |
| LogRaWAN' CO N TOF | | Mode | OTAA/ABP Class A |
| | | ToF FoV | 25°(Accuracy± 5°) |
| | | Range&Accuracy | 1 ~ 55 cm (Accuracy: ± 1 cm) |
| | Measurement | Resolution | 1mm (1.0 ≤ X ≤ 15.0cm) 2mm (15.0 < X ≤ 35.0cm) 3mm (35.0 < X ≤ 55.0cm) X = Detection Distance |
| Missight | | Dimension | 66 × 38 × 12 mm (2.60 × 1.50 × 0.47 in) |
| 製造機 製作権 をかな | | Configuration | NFC |
| and the same and the | | Power Supply* | Easily Replaceable Battery with 2-Year Battery Life |
| Smart Fill Level Monitoring Sensor | Physical Characteristics | Operation Temperature | -10°C ~ +60°C |
| | | Ingress Protection | IP30 |
| | | Installation | On the Flat Surface with 3M Tapes |

 $[\]ensuremath{^\star}\xspace$ Tested under laboratory conditions and for guideline purposes only.

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| Model | | | WS202 |
|--------------------|--------------------------|--------------------|--|
| | | Technology | LoRaWAN®, Milesight D2D |
| LÔRAWAN D2D C | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923 |
| CERTIFIED DZD | | Mode | OTAA/ABP Class A |
| | | PIR | 120° Horizontal, 100° Vertical, Maximum 8 m |
| | Measurement | Light Status | Bright/Dark (Determine 1-60000 lux as Bright or Dark According to Custom Threshold) |
| Ċ | | Power Supply* | Easily Replaceable Battery with up to 4-Year Battery Life |
| | Physical | Ingress Protection | IP30 |
| Phosps | Characteristics | Dimension | 50 × 50 × 23.8 mm (1.97 × 1.97 × 0.94 in) |
| PIR & Light Sensor | Others | Installation | On the Flat Surfaces with Screws or 3M Tapes |
| 3 | | Configuration | NFC |
| | | Advanced Feature | Milesight D2D Controller |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | | WS203 | |
|--------------------|--------------------------|--------------------|---|
| | Wireless Transmission | Technology | LoRaWAN®, Milesight D2D |
| | | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| LoRaWAN. DZD 💍 🔃 | | Mode | OTAA/ABP Class A |
| | | PIR | 120° Horizontal, 100° Vertical; Detection Area: Maximum 6 m (Distance) |
| | Measurement | Temperature | ±0.2°C (-20°C ~ 60°C) |
| | | Humidity | ±2% RH (0% RH~ 100% RH) |
| Plicages DE | Out | Configuration | NFC |
| | Others | Advanced Feature | Milesight D2D Controller, Data Storage, Data Retransmission |
| | Physical | Power Supply | 1 × 4000 mAh ER18505 Li-SOCl2 Battery |
| | | Battery Life* | Up to 5 years |
| Motion & TH Sensor | Characteristics | Ingress Protection | IP30 |
| | | Dimension | 73 x 73 x 26 mm (2.87 x 2.87 x 1.02 in) (Without PIR Cover) |
| | | Installation | Wall Screw Mounting, 3M Tape Mounting |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Model | | WS301 | |
|---|-----------------------------|--------------------|--|
| | | Technology | LoRaWAN®, Milesight D2D |
| | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923 |
| LogRaWAN, DSD, C) | | Mode | OTAA/ABP Class A |
| | Measurement | Detection Distance | 10-15 mm |
| | Physical Characteristics | Power Supply* | Easily Replaceable Battery with over 5-year Battery Life |
| | | Ingress Protection | IP20 |
| 3 | | Dimension | Sensor: 50.5 × 31 × 18.5 mm (1.99 × 1.22 × 0.73 in) Magnet: 30 × 13.5 × 10 mm (1.18 × 0.53 × 0.39 in) |
| N. C. | | Installation | On the Flat Surfaces with Screws or 3M Tapes |
| | | Configuration | NFC |
| Magnetic Contact Switch | 0.11 | Button | 1 × Reset Button (Internal), 1 × Tampering Button |
| | Others | Alarms | Open/Close Status, Tamper |
| | | Advanced Feature | Milesight D2D Controller |

 $[\]mbox{\ensuremath{\star}}$ Tested under laboratory conditions and for guideline purposes only.

The Workplace of the Future - Safer and Smarter

| Mode | ı | | W\$302 |
|--------------------|--------------------------|--------------------|--|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| LoRaWAN° 🔿 🔃 | | Mode | OTAA/ABP Class A |
| | | Sound Level | ± 3 dB (0°C to +45°C), 30 dBA to 120 dBA, 35 dBC to 120 dBC |
| | Measurement | Frequency Range | 30 Hz to 8 kHz |
| edilic | | Weighting | A and C Fast Weighting |
| * // | | Measurement Unit | SPL Actual, Leq, Lmax |
| Messpe | | Power Supply* | Easily Replaceable Batteries with over 4-Year Battery Life (Fast Time Weighting Disabled) And over 1.5 Years (Fast Time Weighting Enabled) |
| | Physical Characteristics | Ingress Protection | IP30 |
| Sound Level Sensor | | Dimension | 68 × 65 × 20.5 mm (2.68 × 2.56 × 0.81 in) |
| | | Installation | On the Flat Surfaces with Screws or 3M Tapes |
| | 046 | Configuration | NFC |
| | Others | Button | 1 × Power/Reset Button |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | | WS303 | |
|----------------------------|--------------------------|--------------------------|--|
| | Wireless Transmission | Technology | LoRaWAN®, Milesight D2D |
| LogRaW4N. D2D △ N | | Frequency | CN470/ IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Mode | OTAA/ABP Class A |
| | Measurement | Trigger Condition | Conductive Liquid When Liquid Level Reaches 0.5 mm |
| | Physical | Configuration | NFC |
| | | Power Supply* | Easily Replaceable Battery with 5-Year Battery Life |
| Minist | | Operation Temperature | -10°C to +60°C |
| | Characteristics | Ingress Protection | IP67 |
| Mini Leak Detection Sensor | | Dimension | 63 × 63 × 14 mm |
| | | Installation | 3M Tape Mounting, Desktop |

 $[\]ensuremath{^\star}$ Tested under laboratory conditions and for guideline purposes only.

| Model | | | WS | 50x |
|-------------------|-----------------------------|--------------------|---|--|
| | | Technology | LoRaWAN®, Milesight D2D | |
| | Wireless Transmission | Frequency | CN470/IN865/RU864/I KR920/AS92 | |
| LoRaWAN. DZD A | | Mode | OTAA/ABP Class C | OTAA/ABP Class B, Class C to B, Class C |
| | | Circuit Type | 3-Wire | 2-Wire |
| | | Maximum Current | Inductive: 5 A per Gang, Total 10 A Resistive: 10 A per Gang, Total 10 A | |
| Month | Electrical | Rated Load | Max 1000 W per Gang, total 0 ~ 2000 W | Max 1000 W per Gang total 38 ~ 2000 W |
| - | | Measurement | Voltage (VAC), Current (mA), Power Factor (%), Power (W), Power Consumption (kWh) | - |
| | Physical Characteristics | Dimensions | 86 Type: 86 × 86 × 40 mr 120 Type: 118 × 72 × 46.9 | |
| | Characteristics | Ingress Protection | IP20 | |
| Smart Wall Switch | | Configuration | NFC | |
| | Operation | Switch Control | Local Press or F | Remote Control |
| | | Advanced Features | Schedule Switch, Switch Lo Multicast, D2D Controlle | |

 $[\]ensuremath{^\star}$ Tested under laboratory conditions and for guideline purposes only

The Workplace of the Future - Safer and Smarter

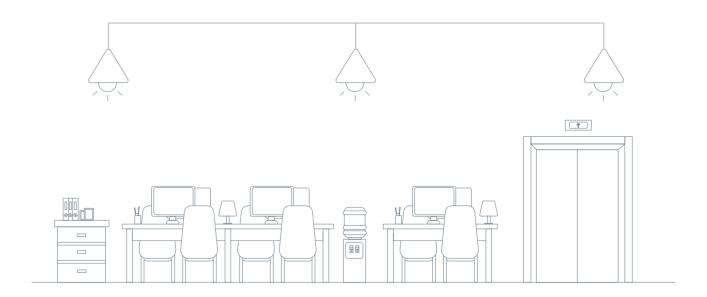
Technology LoRaWAN®, Milesight D2D CN470/IN865/RU864/EU868/US915/AU915/ Wireless Frequency KR920/AS923-1&2&3&4 LÔRaWAN° D2D C Mode OTAA/ABP Class C Socket & Plug Type US/EU/AU/UK/CN, etc. Operating Voltage 100 ~ 250 VAC, 50 ~ 60 Hz Measurement 10 A ~ 16 A (Optional), 250 VAC Max Load Capacity Voltage (VAC), Current (mA), Power Factor (%), Measurement Power (W), Power Consumption (kWh), ±1 % Accuracy 110 × 62.3 × 34.6 mm (4.33 × 2.45 × 1.36 in) Dimensions Physical Ingress Protection IP30 **Smart Portable Socket** Configuration NFC or Downlink Switch Control Button or Remote Control Others ON/OFF, Reset Button Schedule Switch, Button Lock, Overcurrent Protection/Alarm, Advanced Features Multicast, Power Outage Alert, Milesight D2D Agent

| Mode | | | WS51x |
|-------------------|-----------------------------|--------------------|--|
| | Wireless Transmission | Technology | LoRaWAN®, Milesight D2D |
| | | Frequency | IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Mode | OTAA/ABP Class C |
| L©RaWAN. D2D 🖒 🚺 | | Socket Type | EU: Type F, with Safety Door FR: Type E, with Safety Door |
| | Electrical | Input Voltage | 100~250 VAC, 50~60 Hz |
| | | Rated Current | 16A (Max) |
| | | Measurement | Voltage (VAC), Current (mA), Power Factor (%), Power (W), Power Consumption (kWh) |
| | | Configuration | NFC or Downlink |
| Mange Mange | Software | Power Control | Local Press Button or Remote Control |
| Smart Wall Socket | | Advanced Features | Delay Switch, Button Lock, Overcurrent Protection/ Alarm, Multicast, Milesight D2D Agent |
| | Dhysical | Ingress Protection | IP20 |
| | Physical Characteristics | Dimensions | Type F: 86.3 × 86.3 × 45.8 mm (3.4 × 3.4 × 1.8 in) Type E: 86.3 × 86.3 × 43.3 mm (3.4 × 3.4 × 1.7 in) |

 $[\]ensuremath{^{\star}}$ Tested under laboratory conditions and for guideline purposes only.

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| Model | | | WS558-LN | WS558-Switch |
|------------------------|--------------------------|-----------------------------|--|------------------------|
| | | Input Voltage | 100~240 VAC, 50~60 Hz | |
| | | Output | 8 Active Outputs | 8 Passive Switches |
| | 5 1 1 | Capacitive & Inductive Load | Maximum 5A per Output, Total 16A | Maximum 5A per Switch |
| L@RaWAN* D2D A | Electrical | Resistive Load | Maximum 10A per Output, Total 16A | Maximum 10A per Switch |
| | | Electrical Measurement | Voltage (VAC), Current (mA), Power Factor (%), Power (W), Power Consumption (kW·h) | - |
| | | Switch Control | Local Press or Remote Control | |
| · - · | | Protocol | LoRaWAN®, Milesight D2D | |
| SHART SAFET CONTROLLER | Wireless Transmission | Frequency | CN470/IN865/RU864/EU86 KR920/AS923-18 | |
| o | | Mode | OTAA/ABP Cla | ss C |
| Smart Light Controller | Physical | Dimensions | 145 × 90 × 40 mm (5.7 × | 3.54 × 1.57 in) |
| | Characteristics | Installation | Wall Mounting, DIN Ra | ail Mounting |
| | | Configuration | NFC, USB Type-C or | Downlink |
| | Others | Advanced Features | Multicast, Remote Sche Overcurrent Protection, Mile | |



IoT E-ink Display

DS3604 with high-definition e-ink display is great for flexible content presentation in retail, warehouse and logistics management, smart production lines and more.









iBox Kit Series

Milesight iBox Kit is designed for users to quickly evaluate the LoRaWAN® technology with testified devices and services. Going comprehensively digital transformation with more certainty, these solutions are the one step before users to scale connected device deployments securely with high reliability.

LoRa



Overall Features

- Bigger E-ink Screen Featuring Red/White/Black Color Display
- Customized Templates in Multiple Modules and Languages
- Low Power Consumption with up to 5 Years Battery Life
- Open API and a LoRaWAN® Button Enable Various Applications
- Support Local and Remote Control for Bulk Deployment
- LoRaWAN® Wireless Deployment with Low Power Consumption

| Model | | | DS3604 |
|--|-----------------------------|--------------------------|--|
| | | Technology | LoRaWAN® |
| LORAMAN ON N | Wireless Transmission | Frequency | CN470/ IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| S CERTIFIED | | Mode | CN470/ IN865/RU864/EU868/US915/AU915/ KR920/AS923- 1&2&3&4 OTAA/ABP Class A/Class B (Default OTAA Class B) 4.2-inch Black & White & Red E-Ink Screen 400 x 300 Pixels 16s (10 - 40°C) NFC Around 5 Years (Class A Mode + 1 Screen Refresh per Day) |
| | | E-Ink Screen | 4.2-inch Black & White & Red E-Ink Screen |
| | Display | Resolution | 400 x 300 Pixels |
| Miles Mi | | Refresh Rate | 16s (10 - 40°C) |
| | | Configuration | NFC |
| | | Battery Life* | Around 5 Years (Class A Mode + 1 Screen Refresh per Day) Around 1 Year (Class B Mode + 12 Screen Refreshes per Day |
| | Physical Characteristics | Operation Temperature | 0°C ~ +40°C |
| | | Dimension | 99 × 87 × 10.5 mm (3.90 × 3.43 × 0.41 in) |
| | | Installation | 3M Tape Mounting, Wall Screw Mounting |

^{*} Tested under laboratory conditions and for guideline purposes only.

Overall Features

Starters Enjoy It for Putting PoCs into Action with Reduced Time & Cost Operators Need It for New Projects and Potential Market Demands Deployers Love It for Easy to Deploy and Integrate with Multiple NS Platforms



iBox IAO Kit

| · VS121 · VS340 · DS3604 · UG56 · Milesight IoT Cloud | Box College |
|---|-------------|
| *Enjoy free cloud services for a specified period of time | |

iBox CoWork Kit



iBox Smart Restroom Kit



VS121

WS301

UC100

- EM500-SMTC

Milesight IoT Cloud

*Enjoy free cloud services

for a specified period of

UC511

UG56

iBox Smart Building Kit



iBox CoWork Kit



iBox Smart Agriculture Kit

Milesight IoT Product Catalogue 26 Milesight IoT Product Catalogue



- Industrial-grade Design
- Easy Configuration via NFC
- Highly-Accurate Temperature Monitoring
- Support Data Storage and Retransmission
 - LoRaWAN® Wireless Deployment with Low Power Consumption
- Food-Grade Enclosure and Probe (TS101)
- Compliance with HACCP and 21 CFR Part 11B (TS30x)

| Model | | | TS101 |
|--|-----------------------------|--------------------|--|
| | Wireless Transmission | Technology | LoRaWAN® |
| _ | | Frequency | CN470/ IN865/RU864/EU868/US915/AU915/ KR920/AS923- 1&2&3&4 |
| Lorana Carana Lorana Lo | | Mode | OTAA/ABP Class A |
| | Measurement | Range | -30°C ~ +70°C (Accuracy: ±0.5°C) |
| | ivieasurement | Resolution | 0.1°C |
| | | Configuration | NFC |
| | | Power Supply* | Easily Replaceable Battery with 10-Year Battery Life |
| | Physical Characteristics | Material | Transceiver: ABS + PC Sensor Probe: 316 Stainless Steel (Food-Grade, Phosphine &Corrosion Resistant) |
| I | | Ingress Protection | IP67 |
| Insertion Temperature Sensor | | Impact Protection | IK10(Transceiver) |
| | | Dimension | Transceiver: Φ 92 × 92 × 26 mm (Φ 3.62 × 3.62 × 1.02 in) Sensor Probe: Φ 7 × 400 mm (Φ 0.28 × 15.75 in) |
| | | Installation | Insert Installation |

^{*} Tested under laboratory conditions and for guideline purposes only.

Professional Temperature Monitoring

| Mode | ı | | TS201 |
|--------------------------------------|-----------------------------|--|---|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/ IN865/RU864/EU868/US915/AU915/ KR920/AS923- 1&2&3&4 |
| LôRaWAN° △) | | Mode | OTAA/ABP Class A |
| | | Measuring Range | -40°C ~ 125°C |
| | Sensor | Accuracy | $\pm 0.5^{\circ}$ C(-10°C ~ 85°C), $\pm 2^{\circ}$ C(-40°C ~ -10°C, 85°C ~ 125°C) |
| | GCHGGI | Resolution | 0.1°C |
| Manager | | Cable Length | 1.5 m |
| - 36. | | Configuration | NFC |
| | Others | Mode OTAA/ABP Class A Measuring Range -40°C ~ 125°C Accuracy ± 0.5°C(-10°C ~ 85°C), ± 2°C(-40°C ~ -10°C, 85°C ~ 85°C) Resolution On 1°C Cable Length 1.5 m Configuration NFC Data Storage, Data Retransmission, Data Retrieva Abrupt Temperature Change Alarm Around 3 Years (25°C, 10 min Interval, SF10 Around 9 Years (25°C, 10 min Interval, SF7) Operating Temperature TS201 Device: -30°C ~ 55°C (-22°F ~ 131°F Sensor Cable: -40°C ~ 125°C (-40°F ~ 257°F) Ingress Protection Installation Wall Screw Mounting, Cable-tie Mounting, | Data Storage, Data Retransmission, Data Retrievability, Abrupt Temperature Change Alarm |
| Cost-Effective Temperature Sensor | Physical Characteristics | Battery Life | Around 3 Years (25°C, 10 min Interval, SF10) Around 9 Years (25°C, 10 min Interval, SF7) |
| | | 1 0 | TS201 Device: -30°C ~ 55°C (-22°F ~ 131°F) Sensor Cable: -40°C ~ 125°C (-40°F ~ 257°F) |
| | Ondidoteriotics | Ingress Protection | IP67 |
| | | Installation | Wall Screw Mounting, Cable-tie Mounting, Magnetic Mounting (Opt.) |

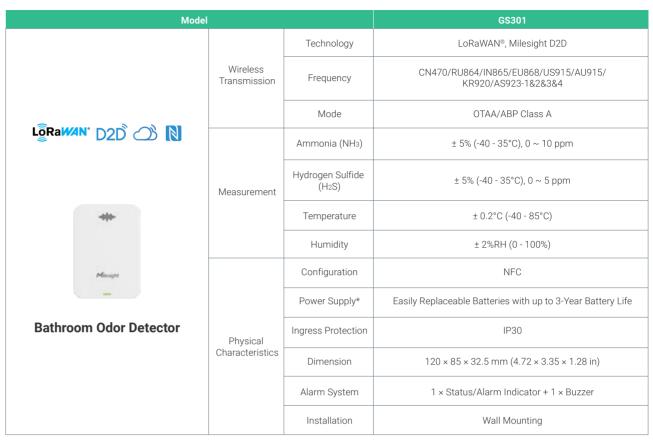
| Mode | l | | TS301 | T\$302 |
|-----------------------------|-----------------------------|--------------------|---|----------------------------------|
| | | Technology | LoRaWAN® | |
| LoĝRaWAN' 🔿 🔃 | Wireless Transmission | Frequency | CN470/IN865/RU864/E KR920/AS92 | |
| | | Mode | OTAA/ABF | P Class A |
| | | Connector Type | 5-pin M12 A-Codeo | d Male Connector |
| 269 PARTY 269 | Sensor Connector | Connector Number | TS301: 1 × Connector for PT100 I TS302: 2 × Connectors for tv + Magnet Sw | vo PT100 Probes or PT100 |
| N- 8 | Others | Configuration | Mobile App (via NFC) or PC | software (via USB Type-C) |
| | Others | Data Logging | 10, 000 Measurements and Suppo | rts to Export as CSV or PDF File |
| LoRaWAN® Temperature Sensor | | Ingress Protection | IP6 | 5 |
| | Physical Characteristics | Dimension | 109.35 × 75 × 20 mm (| 4.31 × 2.95 × 0.79 in) |
| | Ondracteristics _ | Installation | Wall Screw Mounting, Ma | gnetic Mounting (Opt.) |

| | | PT100 Probes* | |
|--------------|---|-----------------------|-----------------------|
| Model | B05-125-200 | AF10-125-150 | A05-500-150 |
| Measurement | ± 0.5°C (-40°C~40°C), ± 1°C (40°C~125°C) | ± 0.4°C (-40°C~125°C) | ± 0.5°C (-50°C~500°C) |
| Cable Length | 2m | 1.5m | 1.5m |

^{*} Please contact us for customized probe options according to your specific requirements.

| Magnet Switch Sensor | | | | | |
|----------------------|---|--|--|--|--|
| Detection Distance | 20-30 mm | | | | |
| Cable Length | 1.5 m (Customizable) | | | | |
| Dimension | $32 \times 15 \times 8 \text{ mm } (1.25 \times 0.59 \times 0.31 \text{ in})$ | | | | |

Sense the Invisible Danger



^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | | | GS601 |
|---------------|-----------------------------|--------------------------|--|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/RU864/IN865/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| LôRa₩AN° | | Mode | OTAA/ABP Class C |
| | Sensor | Sensor Type & Range | Temperature, -20°C ~ 60°C Humidity, 0% ~ 100% RH Vape Index, 0 ~ 100 TVOC, 0 ~ 2000 μg/m3 PM1.0 & PM2.5 & PM10, 0 ~ 1000 μg/m3 |
| | Others | LED & Buzzer | 1 × Traffic Light Status Indicator + 1 × Buzzer |
| Mary | | Power Supply | 5V/1A by Type-C Port |
| | | Operating Temperature | -20°C ~ 60°C |
| Vape Detector | Physical Characteristics | Ingress Protection | IP30 |
| | | Dimension | Φ 128 × 40 mm (Φ 5.04 × 1.57 in) |
| | | Installation | Ceiling Mounting |

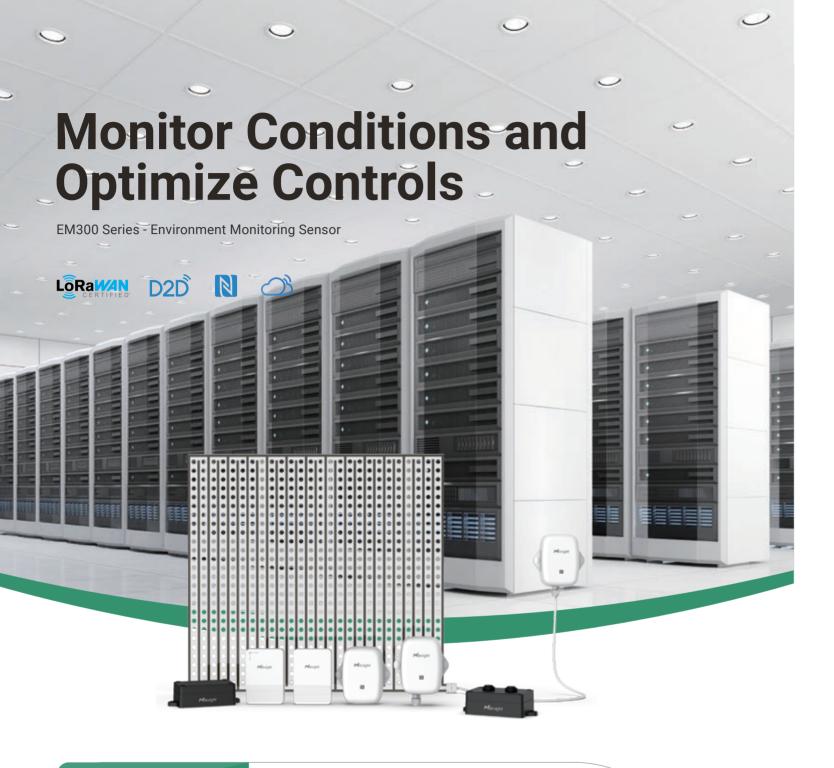
Sense the Invisible Danger



Overall Features

- Highly-Accurate Monitoring
- Easy Configuration via NFC
- Built-in LED Indicator & Buzzer for Status Indication and Alarming
- LoRaWAN® Wireless Deployment with Low Power Consumption
- Support Data Storage and Retransmission (GS101)

| Mode | ı | | GS101 |
|------------------------|-----------------------------|-------------------------------|---|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/RU864/IN865/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| LoRaWAN° 🔿 🔃 | | Mode | OTAA/ABP Class C |
| | | Detecting Gas | Methane (CH4) |
| | Measurement | Alarm Level | 8% LEL |
| -th/to- professione | | Historical Records Storage | Alarm Records, Alarm Dismissed Records, Device Fault Records, Device Fault Recovered Records, Device Power on Records, Device Power off Records, Device Invalid Records |
| | | Alarm System | Sound (8% LEL), LED Indicators |
| * * * * * | | Configuration | NFC |
| | | Power Supply | 12VDC, 1A through DC Jack Connector |
| Gas Detector | Physical Characteristics | Ingress Protection | IP30 |
| Guo Detector | | Dimension | 120 × 85 × 32.5 mm (4.72 × 3.35 × 1.28 in) |
| | | Installation | Wall Mounting |



- Rated at IP67
- Industrial-grade Design
- Battery Life up to 5 Years
- Easy Configuration via NFC
- LoRaWAN® Wireless Deployment with Low Power Consumption
- Support Extra Temperature and Humidity Detection (Except UDL&TILT&MLD)

Monitor Conditions and Optimize Controls

| Model | | | EM300-TH | EM320-TH | |
|-------------------------------|--------------------------|--------------------------|--|--|--|
| | | Technology | LoRaWAN®, Milesight D2D | LoRaWAN® | |
| LoRaWAN' D2D C | Wireless Transmission | Frequency | CN470/IN865/RU864/ KR920/AS9 | | |
| | | Mode | OTAA/AB | P Class A | |
| Phone: | Management | Temperature | ±0.3°C (0°C ~ 70°C), ±0.6°C (-30°C ~ 0°C) | ±0.2°C (-30°C ~ 60°C) | |
| 89 | Measurement | Humidity | ±3%RH (10%RH ~ 90%RH), ±5%RH (below 10%RH and above 90%RH) | ±2%RH (0%RH ~ 100%RH) | |
| Temperature & Humidity Sensor | | Configuration | NFC | | |
| | | Power Supply* | Easily Replaceable Battery with up to 10-Year Battery Life | Easily Replaceable Batteries with over 5-year Battery Life | |
| LORAWAN ON N FDA | | Material | - | PC + ABS (Food-Grade) | |
| S CERTIFIED | Physical | Operation Temperature | -30°C ~ 70°C | -30°C ~ 60°C | |
| Minipe | Characteristics | Ingress Protection | IP | 67 | |
| | | Dimension | 88.5 × 85.3 × 27 mm (3.48 × 3.36 × 1.06 in) | 85 × 58 × 18 mm (3.34 × 2.28 × 0.70 in) | |
| Temperature & Humidity Sensor | | Installation | Wall Mounting | Wall or Pole Mounting (Standard Version) Magnetic Adsorption (Magnet Version) | |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | I | | EM300-MLD | EM300-SLD | EM300-ZLD | |
|--------------------------------------|--------------------------|--------------------------|--|---|-------------------------------------|--|
| | | Technology | Lo | RaWAN®, Milesight D | 2D | |
| LoRaWAN' D2D O | Wireless Transmission | Frequency | | 864/IN865/EU868/US (R920/AS923-1&2&38 | | |
| | | Mode | | OTAA/ABP Class A | | |
| | | Liquid Type | Conductive Liquid (Water, Weak Acid, Weak Base, etc.) | | - | |
| | Measurement | Trigger Media | 400 × 400 × 0.25 mm Printed Leakage- Detecting Film (The size can be customizable) | - | | |
| | Leakage Detection | Temperature | - | ±0.3°C (0°C ~ 70°C) | , ±0.6°C (-30°C ~ 0°C) | |
| Membrane Leakage Detection Sensor | | Humidity | - | | RH ~ 90%RH), tH and above 90%RH) | |
| | | Trigger Condition | When the Sensing Film Contact Conductive Liquid | When Conducting Liquid Level Reaches 5 mm | | |
| LÔRAWAN D2D 🖒 | | Cable Length | 1000 mm (Customizable) | 1.5 m (Customizable) | 3 m (Customizable) | |
| CERTIFIED DZD | | Configuration | NFC | | | |
| \cap | | Power Supply* | 1 × 4000 mAh ER18505 Li-SOCL2 Battery (Extendable to 2 Batteries) | | | |
| / mar | Physical | Battery Life* | Up to 10 Year | Up to 10 Years (One hour Leakage per Day, 25°C) | | |
| | Characteristics | Color & Material | White I | White Flame, ABS + PC (Retardant) | | |
| | | Operation Temperature | | -30°C ~ 70°C | | |
| | | Ingress Protection | | IP67 | | |
| EM300-SLD/ZLD | | Dimension | 105.6 × 85. | 3 × 27 mm (4.16 × 3.3 | 36 × 1.06 in) | |
| Leak Detection Sensor | | Installation | Wall Screw Mounting, 3M Tape Mounting, Cable-Tie Mounting | Wall | Mounting | |

^{*} Tested under laboratory conditions and for guideline purposes only.

Milesight IoT Product Catalogue

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Monitor Conditions and Optimize Controls

| Mo | del | | EM300-CL |
|-------------------------|-----------------------------|--------------------|--|
| | Capacitive Level | Compatibility | Insulating Non-metallic Containers (Plastic, Glass, Acrylic, etc.) |
| L@RaWAN° 🔿 🔃 | Detection | Cable Length | 1m |
| Lightanzin () | | Technology | LoRaWAN® |
| | Measurement | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Mode | OTAA/ABP Class A |
| Monga | | Ingress Protection | IP67 |
| | | Configuration | NFC Configuration via Mobile App |
| 8 | | Power Supply | 1 × 4000 mAh ER18505 Li-S0Cl ₂ Battery |
| 2 | Physical Characteristics | Battery Life* | Around 10 Years |
| Capacitive Level Sensor | | Dimension | Transceiver: 105.6 × 85.2 × 27 mm (4.15 × 3.35 × 1.06 in) Electrode Detection Sheet: 505 × 500 × 0.2mm (19.88 × 19.69 × 0.0079 in) |
| | | Installation | Transceiver: Wall Screw Mounting, 3M Tape Mounting Electrode Detection Sheet: Cable-Tie Mounting, 3M Tape Mounting |

 $[\]ensuremath{^{\star}}$ Tested under laboratory conditions and for guideline purposes only.

| Mod | el | | EM300-DI |
|------------------|-----------------------------|--------------------------|---|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| L@RaWAN* D2D 🔿 🔃 | | Mode | OTAA/ABP Class A |
| | | GPIO | 1 x GPIO Interface, Work as Pulse Counter |
| | Measurement | Temperature | ±0.3°C (0°C ~ 70°C), ±0.6°C (-30°C ~ 0°C) |
| Monge | | Humidity | ±3%RH (10%RH ~ 90%RH), ±5%RH (below 10%RH and above 90%RH) |
| | | Configuration | NFC |
| | | Power Supply* | Easily Replaceable Battery with up to 5-Year Battery Life |
| ^ | Physical Characteristics | Operation Temperature | -30°C ~ 70°C |
| Pulse Counter | ondraoten otios | Ingress Protection | IP67 |
| | | Dimension | 105.6 × 85.2 × 27 mm (4.15 × 3.35 × 1.06 in) |
| | | Installation | Screw Mounting, 3M Tape Mounting, Cable-Tie Mounting |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | I | | EM300-MCS |
|-------------------------|--------------------------|--------------------------|---|
| | | Technology | LoRaWAN®, Milesight D2D |
| L@RaWAN* D2D O | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Mode | OTAA/ABP Class A |
| | | Detection Distance | 20-30 mm |
| | Measurement | Cable Length | 1.5 m |
| Mary B | Door Magnet | Temperature | ±0.3°C (0°C ~ 70°C), ±0.6°C (-30°C ~ 0°C) |
| | | Humidity | ±3%RH (10%RH ~ 90%RH), ±5%RH (below 10%RH and above 90%RH) |
| Ī | Physical | Configuration | NFC |
| | | Power Supply* | Easily Replaceable Battery with up to 10-year Battery Life |
| | | Operation Temperature | -30°C ~ 70°C |
| | Characteristics | Ingress Protection | IP67 |
| Magnetic Contact Switch | | Dimension | Transceiver: 105.6 × 85.3 × 27 mm (4.16 × 3.36 × 1.06 in) Magnet: 32 × 15 × 8 mm (1.25 × 0.59 × 0.31 in) |
| | | Installation | Wall Mounting |

^{*} Tested under laboratory conditions and for guideline purposes only.

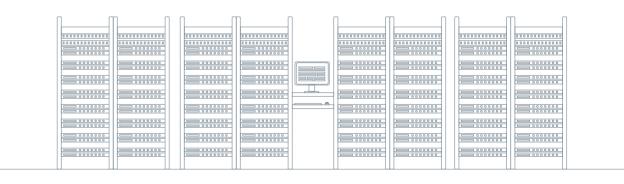
Monitor Conditions and Optimize Controls

| Mode | el | | EM310-TILT | EM320-TILT | |
|---------------|-----------------------------|--------------------------|--|--|--|
| Lêpelijih 🚫 🔊 | | Technology | LoRaWAN® | | |
| LogRaWAN' | Wireless Transmission | Frequency | CN470/IN865/RU864, /KR920/AS9 | EU868/US915/AU915 23-1&2&3&4 | |
| | | Mode | OTAA/AB | P Class A | |
| loT Sensor | | Axis | Χ, ` | Y, Z | |
| 613880 | Measurement | Range | -90°~ +90°(Accuracy: ±1°) | | |
| Tilt Sensor | | Resolution | 0.01° | | |
| THE Sensor | | Configuration | NFC | | |
| LogRaWAN' | | Power Supply* | Easily Replaceable Batteries with over 5-Year Battery Life | Easily Replaceable Batteries with over 3-Year Battery Life | |
| | Physical Characteristics | Operation Temperature | -20°C ~ 60°C | -30°C ~ +60°C | |
| Mount | 0.10.000 | Ingress Protection | IP67 | | |
| | | Dimension | 111 × 62 × 33 mm (4.37 × 2.44 × 1.30 in) | 85 × 58 × 18 mm (3.34 × 2.28 × 0.70 in) | |
| Tilt Sensor | | Installation | On the Flat Surfaces with Screws | Wall Mounting, Pole Mounting | |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Mode | I | | EM310-UDL |
|-------------------------------------|-----------------------------|--------------------------|---|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923 |
| LoRaWAN° () | | Mode | OTAA/ABP Class A |
| | | Distance Range | ± (1+0.3%*S) cm, S=distance (3 ~ 450 cm) |
| | Measurement | Distance Resolution | 1 mm |
| | | Device Position | Normal/Tilt (Status) |
| | Physical Characteristics | Configuration | NFC |
| | | Power Supply* | Easily Replaceable Batteries with over 10-year Battery Life |
| Missignt | | Operation Temperature | -15°C ~ 60°C |
| Ultrasonic Distance/Level Sensor | | Ingress Protection | IP67 |
| 33.1001 | | Dimension | 111 × 62 × 40 mm (4.37 × 2.44 × 1.57 in) |
| | | Installation | On the Flat Surfaces with Screws |

^{*} Tested under laboratory conditions and for guideline purposes only.





- IP67 Rated for Harsh Environment
- LoRaWAN® & NB-IoT & CAT-M Versions Available
- 3-Axis Accelerometer for Asset Status Management
- Embedded NTC Thermistor for Fire Alarms
- Replaceable Battery Life up to 10 Years
- Easy Configuration via NFC
- Support Pre-set Modes (TLD/MUD)
- Positioning Function Enabled by GNSS Modules (NB-IoT Version)

| Model | Model | | | 0-TLD | |
|---------------------------|-----------------------------|--------------------|---|---|--|
| | | Technology | LoRaWAN® | NB-IoT/Cat M | |
| L@RaWAN° () TOF | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/ US915/AU915/KR920/ AS923-1&2&3&4 | Cat M1: B1/B2/B3/B4/B5/B8 /B12/B13/B18/B19/B20/B25/ B26/B27/B28/B66/B85 Cat NB2: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/B25/ B28/B66/B71/B85 | |
| | | Mode | OTAA/ABP Class A | TCP/UDP/MQTT/AWS | |
| ® NB- Io⊤ Cat M | | ToF FoV | 2 | 7° | |
| | Measurement | Range&Accuracy | Range: 2 - Accuracy: ±2 cr Resolution | Range: 2 ~ 350 cm Accuracy: ±2 cm (-20°C~70°C) Resolution:1 mm | |
| | | Temperature | -40°C ~125°C | | |
| | | Position | Normal/Tilt | | |
| | | Location | - | Longitude & Latitude (GNSS) | |
| Missigni | | Configuration | NI | FC | |
| ToF Laser Distance Sensor | Physical Characteristics | Battery Life* | Around 10 years (Standard Mode -10min Interval, Bin Mode -20min Interval, 25°C) | TCP/UDP—Around 10 Years MQTT/AWS—Around 5 Years (4 Times Report Per Day, Per Report Includes 12 Packages with 30-min Collection Interval, 25°C)** | |
| | | Ingress Protection | IP | 67 | |
| | | Installation | On the Flat Surf | ace with Screws | |

*Tested under laboratory conditions and for guideline purposes only. **PSM is required for SIM card and will be impacted by cellular base station signals.

Revolutionizing Measurement and Monitoring

| Mod | el | | EM400-MUD | | |
|--|-----------------------------|--------------------------|---|--|--|
| | | Technology | LoRaWAN® | NB- IoT/Cat M | |
| | Wireless Transmission | Frequency | CN470/ IN865/RU864/EU868/ US915/AU915/KR920/ AS923- 1&2&3&4 | Cat M1: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/B25/ B26/B27/B28/B66/B85 Cat NB2:B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/B25/ B28/B66/B71/B85 | |
| LoRaWAN' 🚫 🔃 | | Mode | OTAA/ABP Class A | TCP/UDP/MQTT/AWS | |
| ® NB- IoT Cat M | | Detection Range | 3 ~ 4 | 50 cm | |
| W Cat W | | Detection Accuracy | ± (1+0.3%*S) cm (-15°C ~ 60°C), S=distance | | |
| | Measurement | Temperature | -40°C ~125°C | | |
| | | Position | Normal/Tilt | | |
| | | Location | - | Longitude & Latitude (GNSS) | |
| | | Configuration | NFC | | |
| Multifunctional Ultrasonic Distance Sensor | Physical Characteristics | Battery Life* | Standard Mode: >10 years (10min Interval, 25°C) Bin Mode: >10 years (20min Interval, 25°C) Parking Lot Mode: 5 years (12 Triggers Per Day, 25°C) | TCP/UDP—Around 10 Years MQTT/AWS—Around 5 Years (4 Times Report Per Day, Per Report Includes 12 Packages with 30-min Collection Interval, 25°C)** | |
| | | Operation Temperature | -30°C ~ | - +70°C | |
| | | Ingress Protection | IP | 67 | |
| | | Dimension | 118 × 65 | × 32.5 mm | |
| | | Installation | On the Flat Surf | ace with Screws | |

*Tested under laboratory conditions and for guideline purposes only.

**PSM is required for SIM card and will be impacted by cellular base station signals.

| Mode | ı | | EM400-UDL | | | |
|----------------------------|-----------------------------|--------------------------|--|---|---|---|
| | | Technology | LoRaV | VAN® | NB- IoT | /Cat M |
| | Wireless Transmission | Frequency | CN470/ IN865/RU864/EU868/ US915/AU915/KR920/ AS923-1&2&3&4 | | Cat M1: B1/B2/B3/B4/B5/B8 /B12/B13/B18/B19/B20/B25/ B26/B27/B28/B66/B85 Cat NB2: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/B25/ B28/B66/B71/B85 | |
| LogRaWAN' △) | | Mode | OTAA/ABF | P Class A | TCP/UDP/N | IQTT/AWS |
| ® NB -IoT Cat M | | Model | Standard | Pro | Standard | Pro |
| WILD CALIVI | Measurement | Detection Range | C050: 25 ~ 500 cm C100: 25 ~ 1000 cm | W050: 30 ~ 500 cm W100: 50 ~ 1000 cm | C050: 25 ~ 500 cm C100: 25 ~ 1000 cm | W050: 30 ~ 500 cm W100: 50 ~ 1000 cm |
| | | Detection Accuracy | ± (1+0.3%*S) cm, S=distance (- 15°C ~ 60°C)* | ± 1% FS (- 30°C ~ 65°C) | ± (1+0.3%*S) cm, S=distance (- 15°C ~ 60°C)* | ± 1% FS (- 30°C ~ 65°C) |
| | | Temperature | -40°C ~ +125°C | | | |
| Manager | | Position | Normal/Tilt | | | |
| | | Location | - Longitude & Latitude (GN | | | titude (GNSS) |
| | | Configuration | | NI | -C | |
| Ultrasonic Distance Sensor | Physical Characteristics | Battery Life** | > 10 Y (10min Inte | | MQTT/AWS—A (4 Times Report Report Include with 30-min Col | ound 10 Years Around 5 Years ort Per Day, Per es 12 Packages lection Interval, 2)*** |
| | | Operation Temperature | | -30°C ~70°C | | |
| | | Ingress Protection | | IP | | |
| | | Installation | | On the Flat Surf | ace with Screws | |

*This accuracy is applicable to the measuring range of 25~800cm.

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

***PSM is required for SIM card and will be impacted by cellular base station signals.

Milesight IoT Product Catalogue

Milesight IoT Product Catalogue 36

Reliable Data Collection for Long-term Remote Operation

EM500 Series - Outdoor Environment Monitoring Sensor



Overall Features

- IP67 Rated and UV Resistance
- Replaceable Battery Life up to 10 Years
- Easy Configuration via NFC
 - Wide Measuring Range with Higher Accuracy
- LoRaWAN® Wireless Deployment with Low Power Consumption

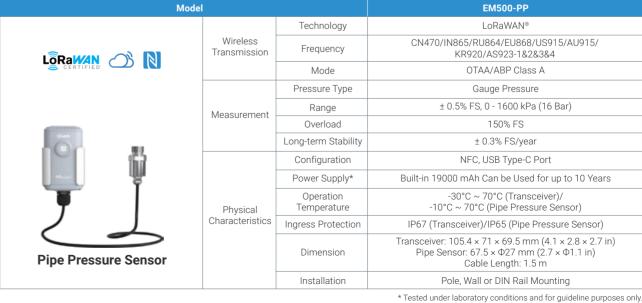
Reliable Data Collection for Long-term Remote Operation

| Мо | del | | EM500-CO₂ |
|---------------------------------|-----------------------------|-----------------------------------|---|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| LORAWAN CO | | Mode | OTAA/ABP Class A |
| | | Carbon Dioxide (CO ₂) | ± (30 ppm + 3% of reading), 400 - 5000 ppm (0°C ~ 50°C, 0∼85%RH) |
| | M | Temperature | ±0.3°C (0°C ~ 70°C), ±0.6°C (-30°C ~ 0°C) |
| 1 | Measurement | Humidity | ±3%RH (10%RH ~ 90%RH), ±5%RH (below 10%RH and above 90%RH) |
| lol | | Barometric Pressure | ±1 hPa, 300 ~ 1100 hPa (-40°C ~ 85°C) |
| Mary Control | | Configuration | NFC, USB Type-C Port |
| TT | | Power Supply* | Built-in 19000 mAh Can be Used for up to 10 Years |
| Н | Physical Characteristics | Operation Temperature | -30°C ~ 70°C |
| CO ₂ Sensor (4 in 1) | | Ingress Protection | IP65 |
| | | Dimensions | 147.9 × 71 × 69.5 mm (5.8 × 2.8 × 2.7 in) |
| | | Installation | Pole, Wall or DIN Rail Mounting |
| | | | |

^{*} Tested under laboratory conditions and for guideline purposes only.

| Model | | EM500-LGT | |
|---------------|-----------------------------|--------------------------|---|
| | Wireless Transmission | Technology | LoRaWAN® |
| LORAMAN CON N | | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| | | Mode | OTAA/ABP Class A |
| | Measurement | Light | 0 ~ 100000 lux |
| | ivieasurerrient | Accuracy | ±3% |
| | Physical Characteristics | Configuration | NFC, USB Type-C Port |
| • | | Power Supply* | Built-in 19000 mAh Can be Used for up to 10 Years |
| | | Operation Temperature | -30°C ∼ 60°C |
| | | Ingress Protection | IP67 (Transceiver)/IP65 (Light Sensor) |
| Light Sensor | | Dimension | Transceiver: 105.4 × 71 × 69.5 mm (4.1 × 2.8 × 2.7 in) Light Sensor: 64 × 58 × 34 mm (2.5 × 2.3 × 1.3 in) Cable Length: 3 m |
| | | Installation | Pole, Wall or DIN Rail Mounting |

^{*} Tested under laboratory conditions and for guideline purposes only.



Reliable Data Collection for Long-term Remote Operation

| Model | | EM500-PT100 | |
|--|-----------------------------|--------------------------|--|
| | Wireless Transmission | Technology | LoRaWAN® |
| | | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 |
| LORAWAN ON N | | Mode | OTAA/ABP Class A |
| | | Connection Type | 3-wire connection |
| | Measurement | Range | T050: -200°C ~ 50°C, T500: -50°C ~ 500°C T200: -50°C ~ 200°C, T800: -50°C ~ 800°C (Customizable from -200°C ~ 800°C) |
| | | Accuracy | ±0.5°C |
| The state of the s | Physical Characteristics | Configuration | NFC, USB Type-C Port |
| 7 / | | Power Supply* | Built-in 19000 mAh Can be Used for up to 10 Years |
| | | Operation Temperature | -30°C ~ 70°C |
| Industrial Tanananatana Canana | | Ingress Protection | Transceiver: IP67, Sensor: Differ Based on Temperature Ranges |
| Industrial Temperature Sensor | | Dimension | 105.4 × 71 × 69.5 mm (4.1 × 2.8 × 2.7 in) |
| | | Probe Type | Straight Tube (Customizable) |
| | | Cable Length | 1.5 m (Customizable) |

^{*} Tested under laboratory conditions and for guideline purposes only.

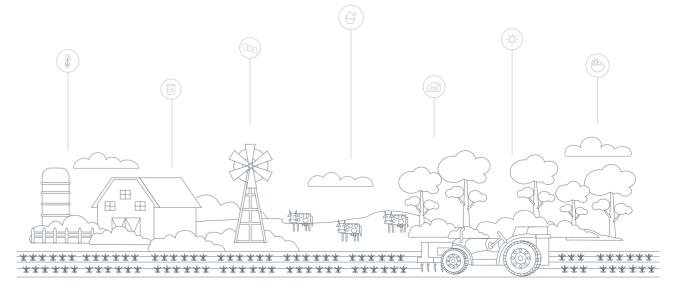
| Model | | | EM500-UDL | EM500-SWL |
|--------------------------------|-----------------------------|--------------------------|--|---|
| mode. | | Technology | LoRa\ | |
| LORAWAN () | Wireless Transmission | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 | |
| | | Mode | OTAA/AB | P Class A |
| | | Pressure Type | - | Gauge Pressure |
| Ultrasonic Distance/Level | Measurement | Range & Accuracy | W050: 0.3 ~ 5 m, ±1% FS W100: 0.5 ~ 10 m, ±1% FS S050: 0.3 ~ 5 m (Snow Version), ±1% FS C050: 0.25 ~ 5 m, ± (1+0.3**S) cm, S=Distance C100: 0.25 ~ 8 m, ± (1+0.3**S) cm, S=Distance | ± 0.5% FS, (0 ~ 3m/5m/10m (H2O)) (Customizable up to 200 m and for Other Liquids) |
| Sensor | | Long-term Stability | - | ≤ ± 0.3% FS/Year |
| | Physical Characteristics | Configuration | NFC, USB Type-C Port | |
| LÔRaWAN () | | Power Supply* | Built-in 19000 mAh Can be Used for up to 10 Years | |
| DERTIFIED | | Operation Temperature | W050/W100/S050: -30°C ~ 65°C C050/C100: -15°C ~ 60°C | -30°C ~ 70°C (Transceiver) -10°C ~ 70°C (Level Sensor) |
| (a) | | Ingress Protection | IP67 | IP67 (Transceiver)/ IP68 (Level Sensor) |
| Submersible Water Level Sensor | | Dimension | 156.1 × 71 × 69.5 mm (6.1 × 2.8 × 2.7 in) | Transceiver: 105.4 × 71 × 69.5 mm (4.1 × 2.8 × 2.7 in) Level Sensor: 140 × φ28 mm (5.5 × φ1.1 in) Cable Length: At Least 1 ~ 1.5 m Longer than Measuring Range |
| | | Installation | Pole, Wall or DIN | N Rail Mounting |

^{*} Tested under laboratory conditions and for guideline purposes only.

Reliable Data Collection for Long-term Remote Operation

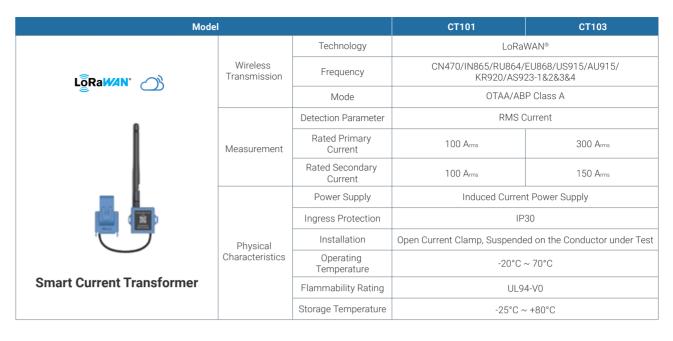
| Model | | | EM500-SMTC |
|--|--------------------------|--------------------------|---|
| | | Technology | LoRaWAN® |
| | Wireless Transmission | Frequency | CN470/ IN865/RU864/EU868/US915/AU915/ KR920/AS923- 1&2&3&4 |
| | | Mode | OTAA/ABP Class A |
| LORAWAN CONTROL OF THE PROPERTY OF THE PROPERT | | Moisture | Range: 0% ~ 100% RH Accuracy: ±2%(0~50%), ±3%(50%~100%) Resolution: 0.01% |
| | Measurement | Temperature | Range: -40°C ~ 80°C Accuracy: ±0.5°C Resolution: 0.1°C |
| | | Conductivity | Range: 0~20000 μs/cm Accuracy: ±3%(0~10000 μs/cm), ±5%(10000~20000 μs/cm) Resolution: 1 μs/cm |
| | Physical | Configuration | NFC, USB Type-C Port |
| Soil Moisture Temperature and | | Battery Life* | Built-in 19000 mAh Can be Used for up to 10 Years |
| Soil Moisture, Temperature and Electrical Conductivity Sensor | | Operation Temperature | -30°C to +70°C |
| | Characteristics | Cable Length | 2m |
| | | Ingress Protection | IP67 (Transceiver)/IP68(Soil Sensor) |
| | | Installation | Pole, wall or DIN Rail Mounting |

^{*} Tested under laboratory conditions and for guideline purposes only.

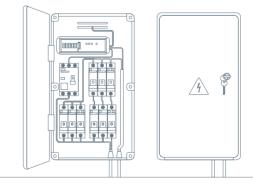




- Powered by the Circuit under Test, No Batteries Required
- Non-intrusive and Quick Installation without Damaging Circuits or Shutting Down the Power Supply
- Support Sampling Frequencies up to 3.3khz for More Accurate Current Measurements
- Determines the General Direction of Energy Consumption and Automatically Calculates
 Cumulative Ampere-Hour Values Once per Second
- Compact Design Makes It Easy to Install Even in Tight Quarters



| Mode | CT305 | CT310 | | |
|---------------------------|-----------------------------|----------------------------|---|---|
| | Wireless Transmission | Technology | LoRaWAN® | |
| Loor RaWAN° | | Frequency | CN470/IN865/RU864/EU868/US915/AU915/ KR920/AS923-1&2&3&4 | |
| | | Mode | OTAA/AB | P Class A |
| | | Detection Parameter | RMS (| Current |
| | Measurement | Rated Primary Current | 500 Arms | 1000 Arms |
| Smart Current Transformer | Weasurement | Rated Secondary Current | 30 Arms | 60 Arms |
| | | Sampling Frequency | 3.3 kHz | |
| | Temperature Sensor | Sensor Type | N' | тс |
| LôRa₩AN° | | Range | 20°C ~ 100°C | |
| | | Accuracy | ±1 | % |
| | Others | Configuration | Type-C USB | |
| Smart Current Transformer | Physical Characteristics | Power Supply | Induced currer | t power supply |
| | | Cable Length | 1m | |
| | Oridiacteristics | Installation | | ting (under integrated mode) n the Testing Conductor |





Protect and Manage Critical Assets at All Times

- Highly-Accurate GNSS Positioning
 Cooperate with Wi-Fi Positioning
 Support Geofencing
 IP67 Rated & IK09 Rated
- Provide Motion/Periodic/Timing Modes
 Easy Configuration via NFC or Bluetooth
 Support Data Storage and Retransmission
 Embedded 3-Axis Accelerometer & NTC Thermistor

| | | | . . |
|--------------------------|-----------------------------|--------------------|---|
| Model | AT101 | | |
| | | Technology | LoRaWAN® |
| Lêbeli/INK DI Graves 🙃 O | Wireless Transmission | Frequency | CN470/ IN865/RU864/EU868/US915/AU915 /KR920/AS923- 1&2&3&4 |
| LoRaWAN° N O GNSS 🖘 🖇 | | Mode | OTAA/ABP Class A |
| | Measurement | Positioning | GNSS Resolution: 0.000001(Longitude/Latitude) Accuracy: 5.0m (Direct Line of Sight) |
| | | | Wi-Fi Wi-Fi Parameters: BSSID, RSSI Wi-Fi Standard: 802.11b/g/n 2.4GHz |
| | | Motion | Normal/Tilt |
| Monard | | Temperature | -40°C ~ 125°C |
| l) I | Others | Configuration | NFC, Bluetooth® 5.3 |
| Outdoor Asset Tracker | DI : 1 | Battery Life* | Twice Daily Location Updates - 15+ Years Tenth Daily Location Updates - 8+ Years Hourly Location Updates - 4+ Years |
| | Physical Characteristics | Ingress Protection | IP67 |
| | | Impact Protection | IK09 |
| | | Installation | Wall Screw Mounting, 3M Tape Mounting, Cable-tie Mounting |

High Capacity, Long Endurance, Plug and Play

- Capacity up to 12000mAh & IP67 Rated & IK08 Rated
 Data Protection & Plug and Play
- Equip with Heating Film for Protecting Battery in Low-Temperature Environment
 Up to 32 Hours' Supplement

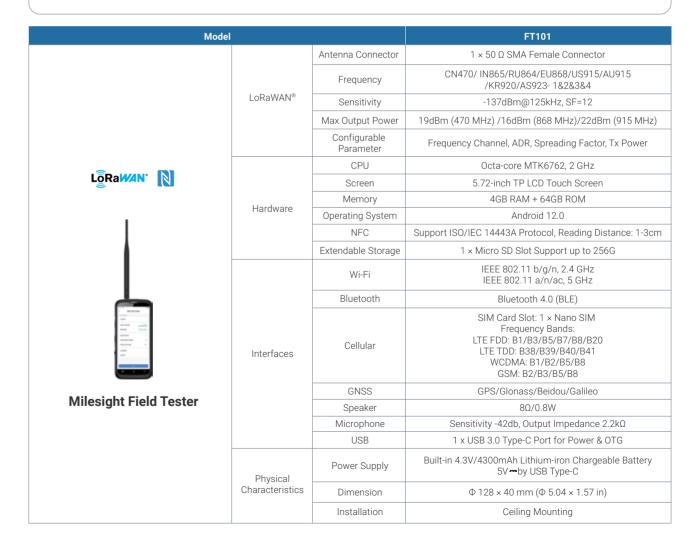
| Model | | | Type-C Version | M12 Version |
|------------------------------|--------------|----------------------|--------------------------|--------------------------|
| IP67 🔁 12000mAh | | Power Input | 9~20 | IV-2A |
| J | | Input Connector | DC Jack Female Connector | |
| Phase | Power supply | Power Output | 5V-4A | 6~8.4V-1.5A |
| | | Output Connector | Type-C | 4-Pin M12 A-Coded Female |
| 0 -0 | | Battery Capacity | 4 x 3000mAh Lithium-ior | n Rechargeable Batteries |
| Uninterruptible Power Supply | | Battery Supply Time* | 6 ~ | 32h |

^{*} Tested under laboratory conditions and for guideline purposes only.





Real-Time Network Signal Testing and Analysis Records Signal Test Results with GPS Location Seamless Report Export and Data Analysis



Measure Atmospheric Conditions Precisely

InT Weather Station



Overall Features

- IP65 Rated for WTS Sensors & IP67 Rated for WTS Hub
- Research-Grade Measurement
- Solar-Powered & Chargeable Batteries Backup for Better Operation
- Support Normal Work for 7 Days without Sunlight
- Support Retransmission for Reliable Communication
- Store Capacity with 19, 000 Sets of Historical Data Records

| Mode | | WTS506 | |
|--|-----------------|----------------------|--|
| | | Temperature | ±0.3°C, (-40°C ~ 85°C) |
| | | Humidity | ±3% RH (0% ~ 100%) |
| | | Wind Direction | ±3° (0° ~ 360°), 1° |
| | WTS Sensors | Wind Speed | ±0.3 m/s or ±3% (0 ~ 60 m/s) |
| | | Barometric Pressure | ±0.5 hPa (500 ~ 1100 hPa) |
| LogRaWAN° 🕜 🔃 | | Rainfall | ±0.5 mm (< 10 mm), ±5 %(>10 mm) |
| | WTS Hub | LoRaWAN® Frequency | CN470/RU864/IN865/EU868/US915/ AU915/KR920/AS923-1&2&3&4 |
| | | LoRaWAN® Work Mode | OTAA/ABP Class A |
| THE PROPERTY. | Solar Panel | Open-Circuit Voltage | 18 V (± 0.3 V) |
| 700000 | | Rated Voltage | 15 V (±0.3 V) |
| - C. Sar | | Maximum Power | 15 W (±5%) |
| The state of the s | | Configuration | NFC, USB Type-C Port |
| | | Power Supply | Solar Powered (15 W, 1 A) & 2 × 2550 mAh Replaceable Batteries Backup |
| IoT Weather Station | Physical | Ingress Protection | IP65 (WTS Sensors), IP67 (WTS Hub) |
| | Characteristics | | ф160 x 263 x ф73 mm |
| | | Dimension | 116 × 116 × 45.5 mm (WTS Hub) 343 × 283 × 16.5 mm (Solar Panel) |
| | | Installation | Pole Mounting (WTS Sensor, Solar Panel) Screw Mounting (WTS Hub) |

Bring Data Acquisition & Remote Control with Ease

IoT Controlle

LORAWAN BNB-IOT CAT M N 46 D2D



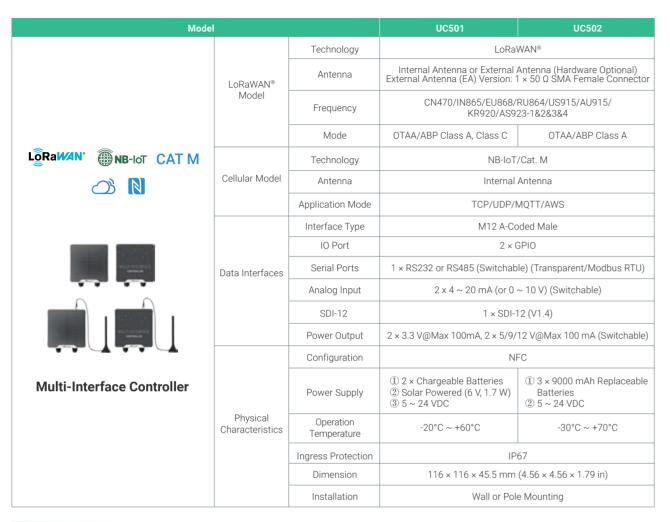
Overall Features

- Wide Measuring Range with Higher Accuracy
- LoRaWAN® Wireless Deployment with Low Power Consumption
- Integrated Rich Interfaces (UC300/UC50x/UC51x)
- Data Collection up to 16 Registers for Various Usage (UC100/UC300)
- Autonomous Operation when the Network is Unavailable (UC100/UC300)
- Milesight D2D with Communication Latency to <1 Sec (UC100/UC300/UC51x)
 Solar Powered and Built-In Batteries for Flexible Power Supply Options (UC50x/UC51x)
- IP67 Rated and UV Resistance Enclosure with M12 Connectors (UC50x/UC51x)

Milesight IoT Product Catalogue

Milesight IoT Product Catalogue

Bring Data Acquisition & Remote Control with Ease

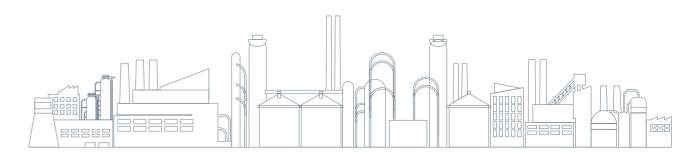


| Mod | el | UC511 | UC512 | |
|---------------------------------------|-----------------------------|--------------------------|--|---------------------------------------|
| | | Technology | LoRaWAN® | |
| | Wireless | Antenna | Internal Antenna or External Antenna (Hardware Optional) External Antenna (EA) Version: 1 × 50 Ω SMA Female Connect | |
| LORAWAN D2D O | Transmission | Frequency | CN470/IN865/EU868/RU864/US915/AU915/ KR920/AS923-1&2&3&4 | |
| S CERTIFIED DZD | | Mode | OTAA/ABP Class A, Class B, Class C, Class C to B | OTAA/ABP Class A, Class B |
| | | Interface Type | M12 A-Co | ded Male |
| and the second | Data Interfaces | Solenoid Interface | 2 × Solenoid Interfaces, 12 VDC Switchable | |
| | | GPIO Interface | 2 × GPIO Interfaces (Digital Input, Pulse Counter) | |
| | | Configuration | NFC, USB Type-C Port | |
| LoRaWAN® Solenoid Valve Controller | | Power Supply | ① Solar Powered (6V, 1.7W) ② 2 × Chargeable Batteries ③ 5-24 VDC (EA Version Only) | 3 × 9000 mAh Replaceable Batteries |
| | Physical Characteristics | Operation Temperature | -20°C ~ +60°C | -30°C ~ +70°C |
| | | Ingress Protection | IP67 | |
| | | Dimension | 116 × 116 × 45.5 mm | (4.56 × 4.56 × 1.79 in) |
| | | Installation | Wall or Pole | e Mounting |

Bring Data Acquisition & Remote Control with Ease

| Mode | el | | UC100 |
|--------------------------------------|-----------------------------|--------------------|---|
| | | Technology | LoRaWAN®, Milesight D2D |
| | Wireless Transmission | Frequency | CN470/IN865/EU868/RU864/US915/AU915/ KR920/AS923-1&2&3&4 |
| L@RaWAN* D2D | Transmission | Mode | OTAA/ABP Class C |
| Light DZD () | | Advanced Feature | Milesight D2D Controller/Agent |
| | | Connector | 3.5 mm Terminal Block Connector |
| | Data Interfaces | Port | 1 × RS485 |
| Minute | | Protocol | Modbus RTU, Support Reading 16 Register Values |
| Modbus to LoRaWAN® IoT Controller | Physical Characteristics | Configuration | USB Type-C Port |
| | | Power Supply | ① 5 ~ 24 VDC by Terminal Block ② 5 VDC by Type-C Port |
| | | Power Consumption | < 0.5 W |
| | Ondidotenotion | Ingress Protection | IP30 |
| | | Dimension | 70 × 45 × 13 mm (2.75 × 1.77 × 0.51 in) |
| | | Installation | Desktop, Wall Mounting |

| Model | l e | UC300 | |
|----------------------------|-------------------|--------------------|---|
| | LoRaWAN® Model | Technology | LoRaWAN®, Milesight D2D |
| | | Frequency | CN470/IN865/EU868/RU864/US915/AU915/ KR920/AS923-1&2&3&4 |
| LÔRAWAN 46 D2D O | (Option A) | Mode | OTAA/ABP Class C |
| | | Advanced Feature | Milesight D2D Controller/Agent |
| | Cellular Model | Network | 4G LTE/3G/2G |
| l i | (Option B) | Application Mode | TCP/UDP/MQTT/AWS/Milesight IoT Cloud/SMS |
| | Data Interfaces | Interface Type | 3.5 mm Terminal Block |
| l . | | 10 | 4 × DI + 2 × DO |
| | | Serial Port | 1 × RS232(Transparent) + 1 × RS485(Transparent, Modbus RTU) |
| Mange | | Analog Input | 2 × 4 ~ 20 mA, 2 × 0 ~ 10 V, 2 × PT100 RTD Input |
| | Physical | Configuration Port | USB Type-C port |
| | | Built-in | Watchdog, Timer |
| LoRaWAN®/4G IoT Controller | | Power Supply | 5 ~ 24 VDC |
| | Characteristics | Ingress Protection | IP30 |
| | | Dimension | 93 × 70 × 22 mm (3.66 × 2.76 × 0.87 in) |
| | | Installation | Desktop, Wall Mounting, DIN Rail Mounting |







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DeviceHub

Milesight DeviceHub is a platform which is designed to provide a high-efficiency, low maintenance solution to easily deploy Milesight IoT devices (especially industrial cellular routers) across multiple locations, reducing complexity and increasing productivity.





MilesightVPN

MilesightVPN is a web-based VPN monitoring and management platform

- Intuitive Web GUIConnection Status OverviewEasy to Setup VPN Tunnel
- Access to Remote Devices Securely
- Support up to 1,000+ Connected Devices

