



Milesight





Cloud App

Quick Start Guide

Box Smart Building Kit

Automated Monitoring and Management

QUICK START GUIDE



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1. Device List

Quantity	ltem	Description	Applications		
1	WS101 Smart Button	WS101 smart button supports sending different alerts depending on various press actions and can be used in emergency alam system, remote control or other remote push button applications.	Easy to be carried out by the seniors and the disabled or to be installed anywhere Remote control lights or curtains in office		
1	WS301Magnetic Contact Switch	WS301 sensor uses a magnet to detect the open/closed status of door/window or something has been moved. It's wire -free and can be easily mounted on the doors, panes, cabinets, etc.	Entry/fire door monitoring Asset protection in the cabinets or boxes Suitable for offices, homes or factories applications		
1	AM103 IAQ Sensor	AM103 is a 3-in-1 ambience monitoring sensor including the measurement of temperature, humidity and CO- concentration and can display indoor status visually on the E-ink screen in real-time and transmit to network server using LoRaWAN® technology.	Monitor temperature, humidity and CO ₂ levels Indicate CO ₂ levels via traffic light or emoticon on the E-ink screen Suitable for office or school indoor air quality monitoring		
1	EM300-SLD Leak Detection Sensor	EM300-SLD sensor can detect the presence of liquids by a small probe based on the conductive principle. Besides, EM300-SLD equips temperature and humidity sensors to monitor the indoor and outdoor environment.	Pipe leak monitoring Basement flooding detection Machine room monitoring		
1	UC300 IoT Controller	UC300 IoT controller equips with multiple data interfaces including digital inputs, relay cutputs, R5232, R5485, analog inputs and PT100 RTD input, which can convert legacy sensors to work with LoRaWAN*network and control devices.	Acquire data from legacy sensors and send via LoRaWAN [®] networks Control the on/off status via relay outputs or RS485 Modbus commands		

Quantity	Item	Description	Applications
1	UG65 Semi-Industrial LoRaWAN®Gateway	UG65 semi-industrial indoor LoRaWAN® gateway provides stable connectivity between sensors and mainstream network servers or Milesight IoT cloud.	Collect data from LoRaWAN' sensors Forward data to Milesight IoT Cloud or mainstream network servers via Ethernet or Wi-Fi
	1 Year (Pro1) Milesight IoT Cloud	Milesight IoT Cloud provides unparalleled levels of vertical integration with Milesight LORAWAN ⁶ gateways and sensors. It visualizes field data and enables user to monitor and control remote assets on an intuitive dashboard.	Drag & Drop dashboard to display data Real-time alarm notifications Exportable historical data and generate reports Custom trigger conditions & actions to enable collaborative interaction among end-devices Android & iOS versions available

2. Packing List

Item	AM103	WS101	WS301	EM300-SLD	UC300	UG65
Device	٠	•	•	•	•	•
Ethernet Cable						•
LoRa Antenna					•	•
ER14505 Li-SoCl ₂ Batteries	٠					
3M Double-Sided Tape	٠	•		•		
Wall Mounting Kits	•	•		•	•	•
Fixing Screws	•		•	•	•	•
Screw Caps				•		
DIN Rail Clip					•	
Mounting Bracket						•
Terminal Blocks					•	
Power Adapter					•	•
Warranty Card				•		

3. Registration and Activation

1. Open web browser, navigate to *cloud.milesight-iot.com* to register a Milesight IoT Cloud account. You can also install Milesight IoT Cloud App from Google Play or App store.



2. Activate the account to pro 1 plan by entering the activation code on the web GUI. You can contact your sales representative to get the activation code.

(C) Milosight IoT Cloud							
B Cashboard	Member Center	Basic Information	Data & Time	Change Password	Alarm Recipion	e Glo	ool Settings
My Devices	Menbership Plan / Q	ipgrade Account					
Мар			ı	Jpgrade Acco	unt		
Triggers		Please enter th	e license to upgrade th	e account		Get License	
Reports		Please enter the l					Activated
Event Cantar 🕕		Plan Datails					
Sharing Center		Plan Details		Free		Pr	0
ne -		Devices					
		Number of Devic	в	10		50/100	/300
		Dashboards					
		Number of Dasht	roards	2		10	
Ξ.		Number of Widg	its on A Dashboard	20		54	

4. Setting-up the Gateway

1. Power on the UG65 via power adapter or PoE.

2. Access the web GUI and configure the network setting to get Internet connection.

Username: admin

Password: password

Method 1:

 Search and connect the Wi-Fi SSID of gateway (Gateway_******), then open the browser and type 192.168.1.1 to log in the web GUI.

 Select the Connection Type of Ethernet port and fill in the IP information, then connect UG65 gateway Ethernet port to network devices like a router or a modern to get Internet access.

Status	Port Loopback					
Packet Forwarder	- Port_1					
Network Server	Port Connection Type	eth 0				
Network -	IP Address	192.168.45.161				
Interface	Netmask Gateway	255 255 255 0				
VPN	MTU	1500				
System 🕨	Primary DNS Server	8.8.8.8				
	Secondary DNS Server	114,114,114,114				
Status	Ping Traceroute Qxdn	nlog				
Packet Forwarder	IP Ping					
Network Server	Host cloud.milesight-iot.c): 56 data bytes				
Network 🕨	64 bytes hom 54 192 11 222 aprof thr 223 film - 735, 569 m 64 bytes hom 54 192 11 222 aprof 1423 film - 732, 561 m 64 bytes hom 54 192 11 222 aprof 242 323 film - 732, 581 m 64 bytes hom 54 192 11 122 aprof 242 323 film - 732, 252 m — cloud mileight of the 192 aprof 142 aprof 142 aprof 142 aprof 142 aprof 142 4 packat hom file aprof 142 aprof 142 aprof 142 aprof 142 aprof 142 aprof 142 4 packat hom file aprof 142 apr					
System 🕨						
Maintenance 👻						
Tools						

www.milesight-iot.com

Method 2:

1) Connect the UG65 to PC via Ethernet port and configure the IP address of computer to the same subnet with the UG65 manually (e.g. 192.168.23.200).

nternet Protocol Version 4 (TCP/IP	A) Properties ×
General	
You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.	tomatically if your network supports I to ask your network administrator
O gotain an IP address automat	cally
⊕ Upe the following IP address:	
P address:	192 . 168 . 23 . 200
Sybnet mask:	255 . 255 . 255 . 0
Default gateway:	192 . 168 . 23 . 150
Obtain DNS server address au	tomatically
Use the following DNS server a	ddresses:
Breferred DNS servers	8.8.8.8
Alternative DNS server:	
Veljdete settings upon exit	Adganced
	OK Cancel

2) Type 192.168.23.150 into the browser on PC to log in the web GUI of UG65 gateway.

3) Connect UG65 to another Wi-Fi access point to get network connection and set wlanO as main interface.





3. Enable the network server and Milesight IoT Cloud mode.

Status		General	Applications	Profiles	Device
Packet Forwarder		General Settin	9		
Network Server		Enable Cloud Mode	2		
Network	Þ			t IoT Cloud	~
System	×	NetID Join Delay	010203		sec
Maintenance	×	RX1 Delay	1		860
АРР	×	Lease Time Log Level	8760-0-0 info	,	hh-mm-ss

4. Fill in the device SN to add gateway and ensure the gateway is online. You can also enter the SN manually on the Cloud App to add the gateway.

Allenight lot Cloud			Ménsight loT 🍥
O Destinged	Devices	Gatewaye +	
🔒 My Devices	Search	Q, O Normal 0 Adams 0 M Office 4 O Inactive 0	+ New Devices
(B) Map	Status	update Update	Time
E tigen	о ж	Add Device × 201- * 5N: 162	
🖾 tvert Cente 🔞	_ ≫	* Name1	@ kz @
8 🚥	- M	Cancel Confirm 2000-108	
	- M	UC3414 Low Low High CC Low 2000 €11990515555 D.1 D.2 D.1 Low 00,1 CC Low 142	
Ξ1			

5. Setting-up the Sensors

1. Pull out the battery insulating sheet to power on WS series sensors and install the batteries onto AM103 device.



2. Use an NFC-enabled smart phone to install Milesight ToolBox App from Google Play or App store, place the NFC area of phone close to the device and use Milesight ToolBox App to read and configure the device.



WS101



AM103





Milesight ToolBox App:





3. Fill in the device SN to add sensors on Milesight IoT Cloud page. You can also use Cloud App to scan the QR code on the label of device to add, or fill in the device SN manually to add sensors.



After devices are getting online, you can view the data on the cloud.

4.Fix sensors to the wall via 3M tapes or wall mounting kits. For EM300-SLD, the leak probe can be fixed to the wall via double-sided tape.

Fixed by 3M Tapes:





WS301

WS101 www.milesight-iot.com





AM103

Fixed by Screw:





WS101

WS301





AM103





EM300-SLD

6. Setting-up UC300 IoT Controller

1. Connect the sensors to corresponding data interfaces of UC300 and install LoRa antenna.

2. Power on UC300 via power adapter and connect the type-C port to PC, use ToolBox software downloaded from Milesight website to configure the device and test if it can read sensor data.

3. Fill in the device SN to add sensors on Milesight IoT Cloud page. You can also use Cloud App to scan the OR code on the label of device to add, or fill in the device SN manually to add the controller.

4. After device is getting online, enable the corresponding data interfaces displayed on the cloud page.

5. Install the controller to the wall via wall mounting kits or hang it to the DIN rail.

Wall Mounting:



DIN Rail Mounting:





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Smart Building Solution

Thank you for choosing Milesight Product

Milesight IoT Co., Ltd.

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