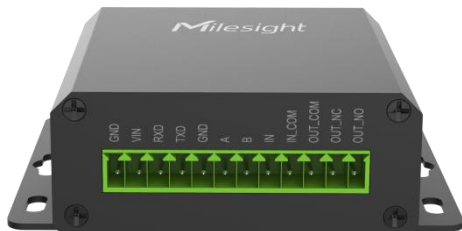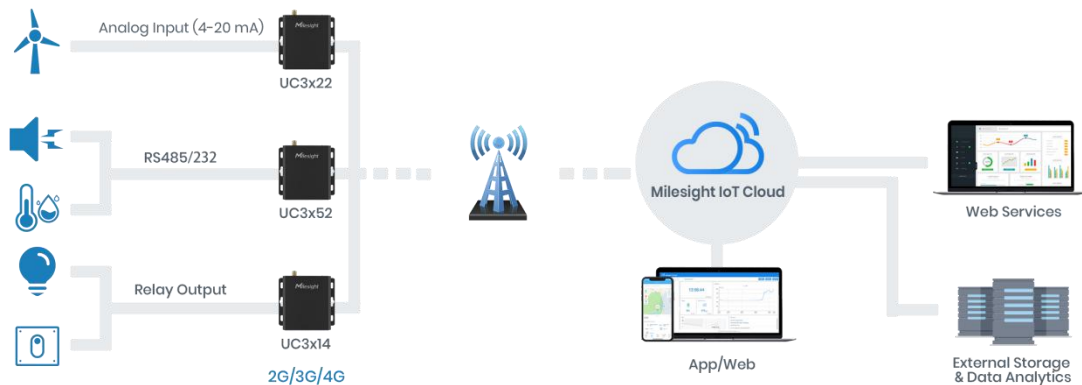# Cellular Controller
UC3x Series

Milesight

UC3x series cellular remote I/O is a device used for data acquisition from multiple sensors. It contains different I/O interfaces including analog inputs, digital inputs, relay outputs, serial ports. Besides, UC3x series support multiple trigger conditions and actions which can work without network. Combining with Milesight IoT Cloud solution, it can be easily managed and controlled via web server or mobile APP.

Adopting industrial design and IP30 metal case, UC3x series is widely used in indoor applications like smart industries, building automation,etc.
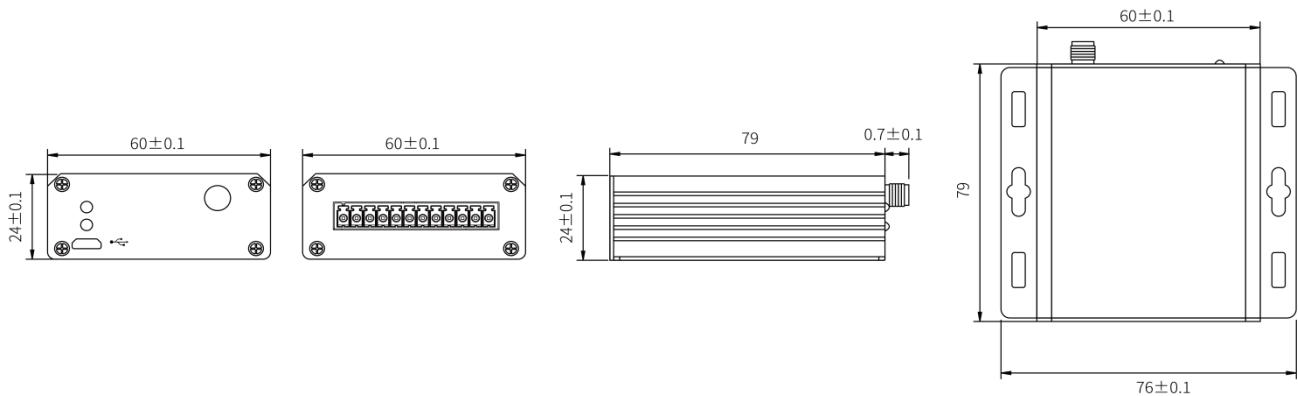
◆ Application Example

◆ Features

- Easy to connect with multiple wired sensors through GPIO/AI/RS232/RS485 interfaces
- Multiple triggering conditions and actions
- Support multiple network protocols and AWS IoT platforms
- Embedded watchdog for work stability
- Industrial metal case design with wide operating temperature range
- Quick and easy management with Milesight IoT Cloud solution

◆ Specifications

Cellular Interface	
Antenna Connector	1 × 50 Ω SMA Connector (Center PIN: SMA Female)
SIM Slot	1(Micro SIM-3FF)
Application Mode	TCP/UDP/MQTT/AWS/Milesight IoT Cloud
Data Interfaces	
Interface Type	3.5 mm Terminal Block
IO	
Digital Input	Opto-isolated Digital Inputs, 3-24VDC
Digital Output	SPDT Relay Contact Rating: 3A@DC Max: 30 V or AC Max: 250 V
Serial Port	
Ports	RS232/RS485
Baud Rate	4800~115200bps(RS232)/1200~115200 bps(RS485)
Protocol	Transparent (RS232), Modbus RTU (RS485)
Analog Input	
Input Range	4~20mA
Resolution	12 bit
Others	
Configuration Port	1 × Micro USB
LED Indicators	1 × System, 1 × ACT
Built-in	Watchdog, Timer
Physical Characteristics	
Power Connector	3.5mm Terminal Block
Power Supply	5-24 VDC
Power Consumption	≤1.68W

Ingress Protection	IP30
Operating Temperature	-40°C to +70°C (-40℉ to +158℉)
Relative Humidity	0% to 95% (non-condensing) at 25°C/77℉
Dimensions	79 × 60 × 24 mm (3.11 × 2.36 × 0.94 in)
Installation	Desktop, Wall mounting
Approvals	
Regulatory	CE, RoHS

◆ Dimensions(mm)

◆ Ordering Information

Model	Digital Input	Digital Output	Analog Input	RS232	RS485
UC3414	2	2	-	-	-
UC3422	1	1	2	-	-
UC3452	1	1	-	1	1

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