



uHoo Caeli

Technical Specifications



Temperature



Humidity



PM_{2.5}



TVOCs



Carbon
Dioxide



Carbon
Monoxide



Air
Pressure



Nitrogen
Dioxide



Ozone

Take health, safety, and comfort to a whole new level with the most comprehensive indoor air quality monitor.
For more detailed information about using your uHoo Caeli: <https://getuhoo.com/support>



Product Specification

Model name:	uHoo Caeli
Security:	128-bit AES end-to-end encryption
Processor:	Dual-core Arm Cortex-M33
User interfaces:	Native iOS and Android apps
Certifications:	FCC, CE, PSE, TELEC, NTC, KC, REACH, RoHS
Power consumption:	750mW (normal operation) and 1.2W (data transmission)
Operating Temperature:	-10 °C to 60 °C (14°F to 140°F)
Operating Humidity:	5% to 95%, non-condensing



Design Specification

Body Material:	ABS thermoplastic polymer
Base Material:	Silicone rubber
Color:	Duotone
Dimensions:	88mm (W) x 75mm (L) x 174mm (H)
Weight:	335g or 0.74lbs
Status indicator:	RGB LED
Mini-fan:	Yes
Air-flow Channel Design:	Optimized the positions of air inlet and outlet aided by the mini-fan
Reset Button:	Physical Button



System Requirements

Wi-Fi Standard:	Wi-Fi 6 802.11ax
Wi-Fi Frequency:	Dual-band 2.4 GHz and 5 GHz
Bluetooth Low Energy (BLE):	Yes
Network Security:	WPA3-Personal (WPA/WPA2 backward-compatible)
USB Cable Type:	USB-C
Power supply:	5V/2A USB cable and adapter
Interface:	iOS 11 (64-bit devices) or above, or Android 4.2 or above
Software:	uHoo mobile app on iOS or Android
Device Setup:	Scan QR code and configure Wi-Fi via BLE
Local Storage due to Network Outage:	24 hours



Sensor Specification

		Range	Resolution	Tolerance
	Temperature	-40 to 85 °C	0.1 °C	±0.5 °C
	Relative Humidity	0 to 100%	0.1%	±3%
	PM _{2.5}	1 to 1,000 µg/m³	1 µg/m³	±10 µg/m³ (0 to 100 µg/m³) ±10% (> 100 µg/m³)
	TVOCs	0 to 60,000 ppb	1 ppb	±10 ppb or ±5% of reading* 2
	Carbon Dioxide	400 to 10,000 ppm	1 ppm	±40 ppm plus 4% of actual value
	Carbon Monoxide	0 to 1,000 ppm	0.1 ppm	±1 ppm or ±5% of reading Choose higher of the two
	Air Pressure	300 to 1,100 mBar	0.1 mBar	±1 mBar
	Nitrogen Dioxide	0 to 1,000 ppb	1 ppb	±20 ppb (0 to 100 ppb) ±20% (100 to 1,000 ppb)
	Ozone	0 to 1,000 ppb	1 ppb	±20 ppb (0 to 100 ppb) ±20% (100 to 1,000 ppb)