

Sentinel UART

XCOMP-3000-0001

PRODUCT INFORMATION

The Sentinel UART can be connected to any sensor or equipment that features a UART electrical interface with 5V TTL voltage levels:

- CO2 sensor for incubators
- Refrigeration controller
- Power meter
- etc.

Measured values are sent to the Aginova IoT Cloud for 24/7 real-time continuous monitoring.



SPECIFICATIONS

Dimensions (HxWxD)	103mm x 60mm x 20mm (4.06" x 2.36" x 0.79")
Weight	93g (3.28 Oz)
Screw Terminals	5V TTL UART interface 2 temperature connections 5VDC input for power and charging
Battery	Integrated 1000mAh Rechargeable Li-Ion Battery
Wi-Fi Protocols	IEEE 802.11b/g/n
Wi-Fi Modes Supported	Wi-Fi Direct, Infrastructure (Remote)
Wi-Fi Encryption	WPA/WPA2, WPA2-Enterprise Personal (PEAPv0/MSCHAPV2, EAP-TTLS)
Ports Used	1884 (TCP) for MQTT over TLS communication 443 (TCP) for Over The Air updates 123 (UDP) for Time Server sync (Default: pool.ntp.org)
On Board Data Storage	>2 months with a Once/Minute Sampling Rate
Operating Temperature	0°C to 40°C on Charger -20°C to 60°C on Battery only
Non-operating Temperature	-30°C to 70°C
Relative Humidity	10% to 90%
Certifications	FCC, CE