

# SoniShield Duo

Compatible with any combination of two Sonicu NIST certified digital sensors, the Duo utilizes the most advanced wireless technology to provide the most efficient and simple wireless monitoring experience available.



- Asset Protection
- Compliance Automation
- Operational Efficiency

## Overview

Onboard Bluetooth enables a wireless local display ideal for vaccine compliance and a powerful SoniCloud App wirelessly configures the Duo in seconds.

Built-in rechargeable battery and on-board memory provide unparalleled redundancy for continuous monitoring.

The SoniShield Duo is ideal for monitoring refrigerators, freezers, ambient conditions, room pressure, and other areas where monitoring is needed.

Coupled with SoniCloud, our powerful mobile app (for Android and iOS), users experience unsurpassed visibility and convenience. Everyday operations like responding to temperature alarms or viewing trended sensor data are quickly accomplished.

### SoniShield Display: Easy-to-Read, E-Ink Display

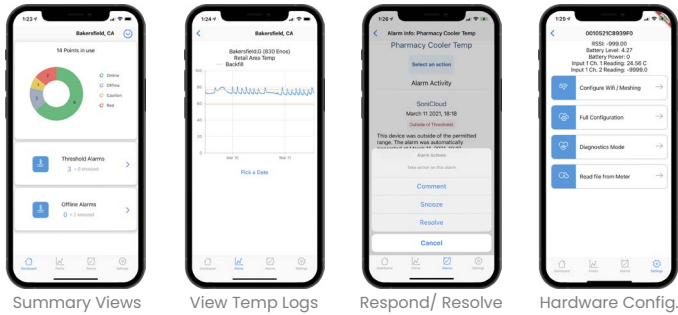


Data display is supported by the SoniShield Duo's onboard Bluetooth and is perfect for vaccine refrigerators or freezers, ambient conditions, and other areas where a local display is desired.

## Our Advantages

- Sonicu solutions deploy quickly and support WiFi, 4G/5G LTE, Ethernet, and Ethernet with
- Cell Failover options.
- On-board memory storage protects data during network interruptions and automatically uploads stored data to SoniCloud via DataSync.
- When a power outage occurs the Duo automatically switches from 110V operation to battery power and continues automated monitoring.
- Sonicu's SNAP Calibration Program ensures regulatory compliance by providing freshly calibrated NIST sensors with NIST Certificates before current sensors expire.

## Android and iOS App Functions



**Additional App Functions:** Enterprise dashboard, active alarm summary, alarm details, network connectivity, configuration, file upload, zone view, and more!

## Applications & Industries

Cold temperature, extended range for -80°C ULT, ambient temp and humidity, solid and glycol buffered product simulator, LN2, room air pressure.

**Industries include:** hospitals, pharmaceutical, public health clinics, research labs, data centers, food safety, & industrial.

## Specifications

**External Ports:** Two sensor input ports  
One Micro-USB charging port

**Construction:** Rugged, ABS plastic housing

**Dimensions:** 3.87" x 2.51" x 1.20"

**Weight:** 0.39 lbs.

**Radio Protocols:** 4G/5G Cellular, with GPS  
Wi-Fi 802.11 b/g/n 2.4GHz  
Wi-Fi 802.1x authentication  
LoRaWAN

**Power Modes:** 5200 mAh, Li-ion polymer 3.7V long-life rechargeable battery  
5V 1A DC adapter, 6ft cable (included)

**Enterprise Security:** Wi-Fi: WPA2; Cellular: standard encryption to tower, virtual private network (VPN) to cloud, completely secure

**Storage:** 32GB

**Operating Temp:** -10°C to +40°C

**Humidity:** 10 to 85% RH, non-condensing

**Extension Cables:** Flat 6-ft, 15-ft and 25-ft

**Mounting:** Adhesive or Magnetic/Screw Mount options available

**Warranty:** Warranted for duration of Sonicu Service Agreement

## Part Number and Description

Duo-WF	SoniShield-Duo-WiFi
Duo-SL	SoniShield-Duo-900 MHz
Duo-LTE	SoniShield-Duo-Cell (4G/5G LTE)

## Digital Sensor Options (NIST Calibrated)

**100234** Glycol Buffered Temperature  
Range: -55°C to +30°C  
Accuracy: +/- 0.5°C

**101234** Solid Buffered Temperature  
Range: -55°C to +30°C  
Accuracy: +/- 0.5°C

**100181** Non-Buffered Temperature  
Range: -55°C to +125°C  
Accuracy: +/- 0.5°C

**101279** Warm Buffered Temperature  
Range: 0°C to +160°C  
Accuracy: +/- 0.5°C

**114200** Differential Pressure, DPS  
Range: +/- 4 inches water column  
Accuracy: +/- 0.25%

	Ambient Temperature & Humidity	
	Range	Accuracy
<b>114100</b>	Temperature	-10°C to +80°C +/- 0.4°C
	Humidity	0-100% RH +/- 0.25%

**100260** ULT (ultra-low temps) 4" Stainless Sheath,  
Range: -205°C to 0°C  
Accuracy: +/- 0.5°C

**100261** Cryogenic (LN2) 15.5" Stainless Sheath,  
Range: -205°C to 0°C  
Accuracy: +/- 0.5°C

## Accessory Items (sold separately)

**010503** USB Power Extension (adds 6 ft to Duo power cable)

**113600** Magnetic/Screw Mount

## SoniShield Duo Dimensions

