

# DA-43 Gateway

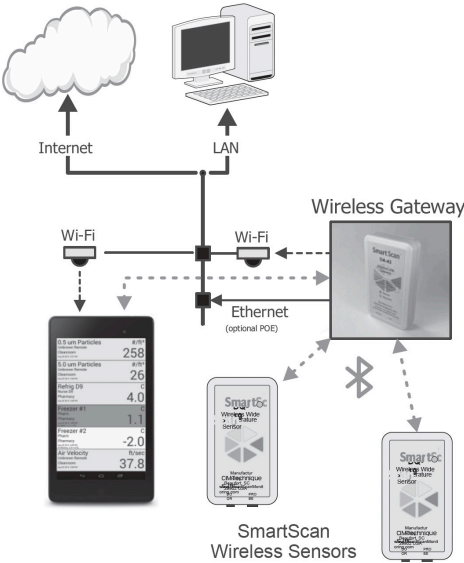


The DA-43 Bluetooth-to-Ethernet Gateway uses the facilities LAN to transfer environmental data from DQ wireless sensors to the cloud based SMARTScan monitoring system group of servers. Received data is stored locally and buffered during network communication disruption or overall outages.

The gateway communicates to tablets and smartphones using the SMARTLink DQ app available on your devices app store.

## Specifications

Parameter	Value
Ethernet Standard	IEEE 802.3
Wireless Protocol	BLE 5.0
Encryption	128-bit AES
Buffer Memory	Up to 8.500 Measurements
RF Power Output	up to +8 dBm
Receiver Sensitivity	-96 dBm at 1 Mbps
Wireless Range	< 300' Indoors
Power Source	5.0 VDC 0.6A 802.3at POE
Operating Temp.	-10°C to +60°C
Enclosure	Flame Retardant ABS Anti-microbial Optional
Physical Size	4.53" x 2.71" x 1.10"
Weight	<6 oz (170 gm)



Contact us for more information

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# Scalable Environmental Monitoring



Temperature



Humidity



Carbon Dioxide



Particles



Air Flow

## Solutions

### Temperature

- Min -200 °C to Max +260 °C

### Humidity

- Min 10% RH to Max 90% RH

### Differential Pressure

- Min ±25 Pa (±0.1" of H2O)
- Max ±500 Pa (±2.0" of H2O)

### Third Party Devices

- Particle Counters
- Flow Sensors

### Infrastructure

- Stabilization Devices
- Door Ajar Detection
- Water Detection

## Data Collection Protocols

### Sensors & Probes

- Modbus / Sensorbus
- Bluetooth

### Gateways

- TCP/IP

## Certifications

### Calibration

- 17025 / NIST

### Manufacturing

- ISO 9001

## Monitoring

