

# SenseGiz COIN



## Specification Sheet

Key Features		Temperature and Humidity	
	Compact design with Temperature, Humidity, Motion and Vibration sensors	Precision Relative Humidity Sensor	± 5% RH (max), 0–90% RH
	Proprietary Mesh Network on top of Bluetooth 5	High Accuracy Temperature Sensor	±1 °C (max), –10 to 85 °C
	Effective Range of 180 ft per node	Operating range	0 to 100% RH
	Wide Applications	Operating range	–40 to +125 °C
	Custom Deployment	Wide operating voltage	(1.9 to 3.6 V)
	Data driven decisions	Low Power Consumption	150 µA active current 60 nA standby current
Physical		Accelerometer and Gyroscope	
Dimensions	Diameter: 39.2 mm	Full scale acceleration range	±2/±4/±8/±16 g
	Height: 14 mm	Angular rate range	±125/±250/±500/±1000/±2000 dps
Weight	20 gms	Analog supply voltage:	1.71 V to 3.6 V
Mounting	Adhesive 3M tape	Power Consumption	0.9 mA in combo normal mode
			1.25 mA in combo high-performance mode
Connectivity		Power	
Processor	48 MHz ARM Cortex M3 processor with over the air firmware updates	Source	CR 2477 Lithium 3V Battery
	128 KB - Flash Size	Battery Life	3 Months for 24 Values / day
	8 KB - RAM Size		6 Months for 12 Values / day
Antenna	Frequency 2.4 - 2.5 GHz		12 Months for 6 Values /day
	2.0 dBi Gain	Configuration	
Wireless Protocol	2.4 GHz RF Transceiver Compatible With Bluetooth Low Energy (BLE) 5 Specification	Security	AES-128 Security Module
	Data Transfer Rate of 1 Mbps	Normal Operations	1.8V to 3.8V
	-97dBm Receiver Sensitivity	User Interface	SenseGiz Dashboard