ColdGuard Ethernet Gateway

The ColdGuard Ethernet gateway allows your Cold-Guard Wireless Sensors to communicate with the ColdGuard App without the need for a PC. Simply plug this device into any open network port with internet connection and it will automatically connect with our online servers. This is the perfect solution for commercial locations where there is an active internet connection.

With the graphical ColdGuard software, you can easily configure your network, view collected sensor data and set alarms through SMS or e-mail, all from any web enabled browser. The system allows for complete configuration and customization at a sensor, local network, or client wide level.

The ColdGuard Ethernet gateway is specifically designed to respond to the increasing market need for global technology that accommodates a variety of vertical M2M application segments and remote wireless sensor management solutions.
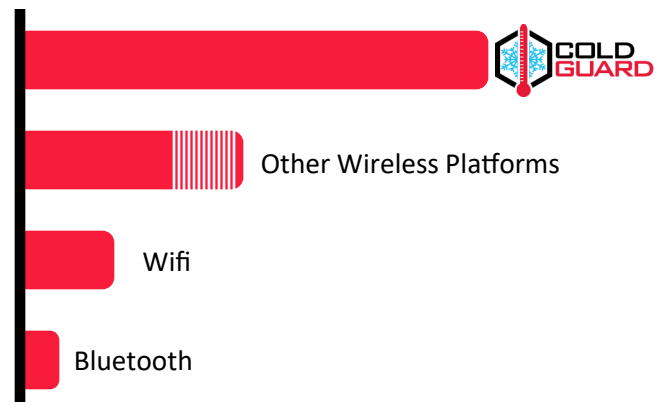
Enjoy reliable, low cost, wireless monitoring of your facilities or specific applications, with ColdGuard wireless sensor networks.

- Wireless range of 1,000+ feet through 12-14 walls *
- Frequency Hopping Spread Spectrum (FHSS)
- Improved interference immunity
- Encrypt-RF™ Security (Diffie-Hellman Key Exchange+ AES-128 CBC for sensor data messages)
- 16,000 sensor message memory
- Over the air updates (future proof)
- Plug & Sense, no hassle set-up
- No PC required for operation
- Local status LEDs with transmission and online status indicators
- On-line heart-beat control
- Power outage notification

*Actual range may vary depending on environment.

Wireless Range Comparison

ColdGuard Ethernet Gateway Specifications

Ethernet	
Ethernet Types	Standard, POE
Antenna	Connector: SMA Gain: 5.0 dBi (900MHz Product) 3.0 dBi (868 and 433 MHz Product)
Hardware	10/100 Ethernet Controller
IEEE Standard Compliance	802.3-2002
Operation:	Full– and Half-Duplex
Cross-Over Correction	Automatic MDI/MDI-X
Addressing	Pre-programmed MAC Address
Host Address	T1.sensorsgateway.com
Default Port	3000
Protocols Supported	UDP, DHCP, TCP, SNMP, MODBUS
Cable Connector	Cat 5
Device Memory	16,000 sensor messages (Sensor messages will be stored in the event of Internet outage and transferred when connection is restored)
Power	
Power Supply *	5.5 V AC adapter or Power-Over-Ethernet option requires standard PoE (802.3AF) Class 1 capable power injector (not included)
Mechanical	
LEDs	H/W status, ColdGuard connection status, sensor data activity
Enclosure	ABS plastic
Dimensions	4.005 in. x 5.505 in. x 1.375 in. (139.85 mm x 101.75 mm x 34.95 mm)
Weight	12.6 ounces
Environmental	
Operating Temperature	-10°C to +70°C (14°F to 158°F) **
Storage Temperature	-20°C to +85°C (-4°F to 185°F)
Wireless	
Wireless Range	1,000+ ft. non-line –of-sight ***
Security	Encrypt-RF tm (256-bit key exchange and AES-128 CTR)
Certifications	900 MHz Product: FCC ID: ZTL-G2SC1 and IC: 9794A-G2SC1
*	Hardware cannot withstand negative voltage. Please take care when connecting a power device.
**	At temperatures above 100°C, it is possible for the board circuitry to lose programmed memory.
***	Actual range may vary depending on environment.