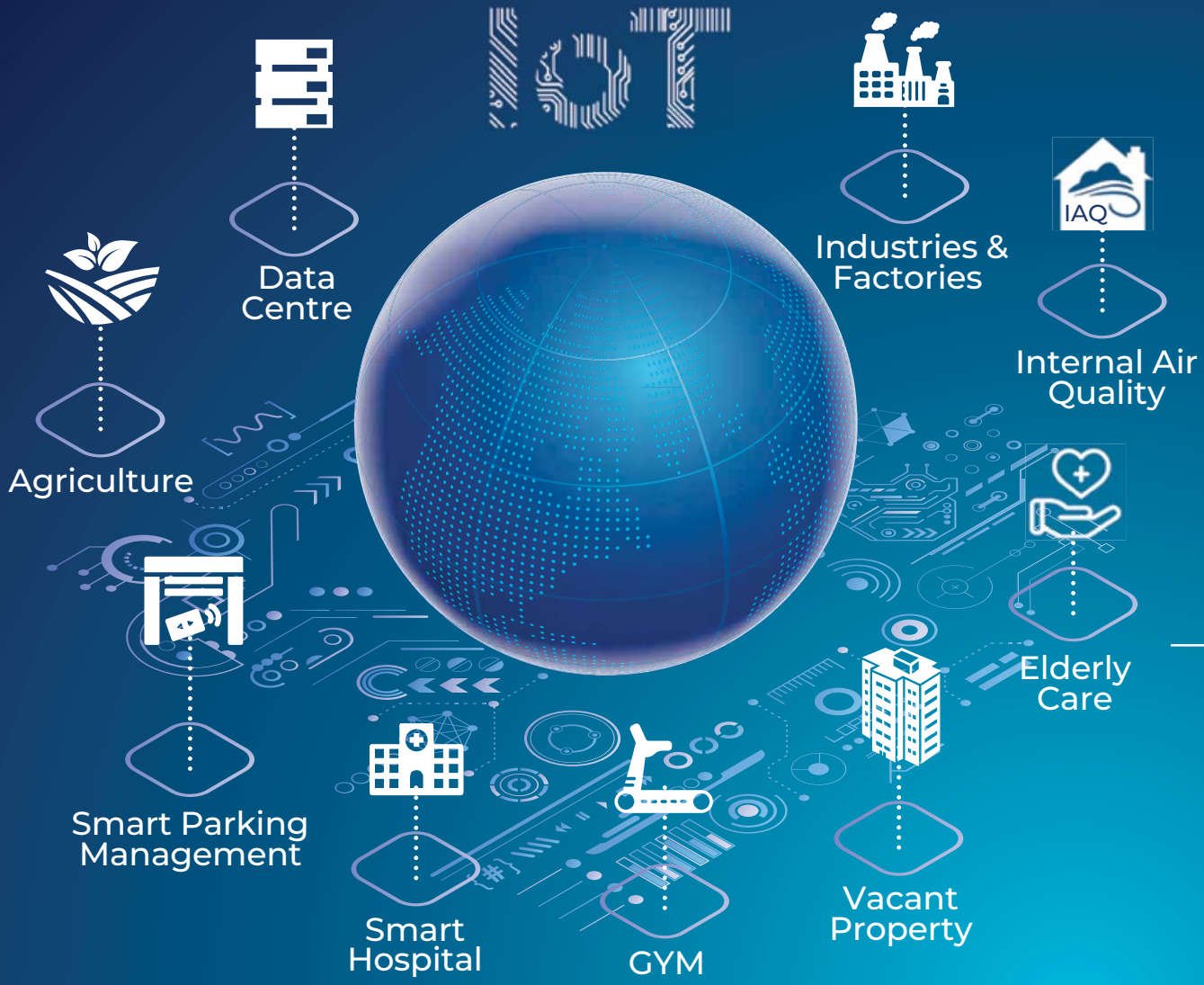

PRODUCT CATALOGUE

Wireless Environmental Monitoring Solution

www.watchnetiot.com

WatchNET IoT

WatchNET IoT

Sensing Smarter

Taking all Industries ahead with WATCHNET IoT

www.watchnetiot.com

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Watch*NET* IoT Cloud Software & Mobile APP

1. Round the clock monitoring
2. Compatible with 100s of sensors & devices (LoRa & NB-IoT)
3. Real-time status update
4. Instant alert & notification
5. Customizable Dashboard & Floor Layouts with Quick Data Visualization
6. Manage data in one place
7. Intuitive Reporting & Relevant Notifications
8. Powerful eMAP - Data Visualization with actionable decisions
9. Enhanced data logging
10. Powerful web-based interface and mobile app
11. Powerful OFFLINE LINKAGE feature enables the devices to act on critical scenarios even if the gateway is not connected to the internet
12. INTELLIGENT ANALYTICAL ENGINE can provide smart suggestions and warnings

Smart Gateways

Watch*NET* IoT gateways are one of the smart and intelligent devices within our IoT ecosystem.

It collects data from devices that do edge-based processing and then sends it to the cloud for storage, display, and analytics.

This gateway works as a stand-alone controller to link devices connected to it and triggers actions according to input logic to output devices. Basic or complex rules can be set on this gateway that can work online or offline state within the network.

- **Edge-based data processing**
- **LAN, WAN and 4G connectivity**
- **Low Bandwidth consumption**
- **Built-in Wi-Fi Gateway**

Wireless Smart IoT Gateway

WLRI-G11

This intelligent smart gateway provides cloud connection and control of devices connected. Supporting multiple technologies for communication such as LAN, WiFi, and 4G make this gateway deployment easy in any building. Easy installation and configuration make it ideal for small or large projects of environmental monitoring and control. The built-in powerful antenna is capable of receiving long-range signals.

- System: RTL8196EU (Realtek) processor, 32MB Flash, 16MB DDR2, LoRa R100 (SX1276)
- Built-in Powerful Antenna
- Supported: 1xEthernet, RJ45 port (WAN)
- Encrypt-RF™ Security
- LoRaWAN ClassA Compatible 410~525MHz & 862~1020MHz (user select frequency)
- Reset Button
- Connects up to 50 wireless devices (plug & play)

Applications:
- Commercial/Residential monitoring
- Frenchize stores and multi-location installation

- System: MT7620A processor, 32MB Flash, 128MB DDR2, LoRa R100 (SX1276) & 1xUSB2.0
- Built-in Powerful Antenna
- Supported: 2xEthernet, WiFi (2.4 to 2.4835 GHz) & 3G/4G Dongle
- Encrypt-RF™ Security
- Connects up to 100 wireless devices (plug & play)
- Button: LoRA, WPS, Reset

Applications:
- Commercial/Residential monitoring
- Condominium and apartment buildings
- Frenchize stores and multi-location installation
- Golf courses and open field areas
- Multi-site management and notification

WLRI-G12 Mini Smart Gateway

This small form factor smart gateway provides cloud connection and local control of devices connected to it. Economical and easy to install and configure makes it ideal for small projects of environmental monitoring. The built-in powerful antenna is capable of receiving long-range signals.

Integrated Wireless IoT Gateway with Antenna

WLRI-G11A

This intelligent smart gateway is the core of the entire wireless smart IoT system. The Multi-technology combination of Cloud, WiFi, LoRa, LAN, and 4G connectivity can be used in a wide variety of applications. External antenna enhances the range, and HTTPS secure connection enables this product to be used in any network that requires high-security iOS and Android APP are now available to add devices easily to the gateway and create linkage for automation.

- System: MT7620A processor, 32MB Flash, 128MB DDR2, LoRa R100 (SX1276) & 1xUSB2.0
- Built-in Powerful Antenna
- Supported: 2xEthernet, WiFi (2.4 to 2.4835 GHz) & 3G/4G Dongle
- Encrypt-RF™ Security
- Connects up to 100 wireless devices
- Button: LoRA, WPS, Reset

Applications:
- Commercial/Residential monitoring
- Condominium & apartment buildings
- Golf courses and open field areas
- Smart logistics
- Multi-site management & notification

WLRI-G12A

Mini Smart Gateway with Antenna

- Integrated Wireless Gateway (up to 50 IIoT Devices)
- With External Antenna & Secure Connection, EU Frequency
- One RJ-45 data interface
- Frequency: 410~525MHz / 862~1020MHz (user defined frequency)
- Modulation LoRa/FSK

Applications:
- Commercial/Residential monitoring
- Frenchize stores and multi-location installation

This intelligent smart gateway is the core of the entire wireless smart IoT system. A small form factor design can be used in a wide variety of applications. External antenna enhances the range, and HTTPS secure connection enables this product to be used in any network that requires high-security iOS and Android APP are now available to add devices easily to the gateway and create linkage for automation.

Integrated Wireless IoT Gateway with Antenna & HTTPS

WLRI-G11AH

This intelligent smart gateway is the core of the entire wireless smart IoT system, a Multi-technology combination of Cloud, WiFi, LoRa, LAN, and 4G connectivity can be used in a wide variety of applications. External antenna enhances the range, and HTTPS secure connection enables this product to be used in any network that requires high-security iOS and Android APP is now available to add devices easily to the gateway and create linkage for automation.

- System: MT7620A processor, 32MB Flash, 128MB DDR2, LoRa R100 (SX1276) & 1xUSB2.0
- Built-in Powerful Antenna
- Supported: 2xEthernet, WiFi (2.4 to 2.4835 GHz) & 3G/4G Dongle
- Encrypt-RF™ Security
- Connects up to 100 wireless devices
- Button: LoRA, WPS, Reset

Applications:

- Commercial/Residential monitoring
- Condominium & apartment buildings
- Golf courses and open field areas
- Smart logistics
- Multi-site management & notification

WLRI-G12AH

Mini Smart Gateway with Antenna & HTTPS

- Integrated Wireless Gateway (up to 50 IIoT Devices)
- With External Antenna & Secure Connection, EU Frequency
- One RJ-45 data interface
- Frequency: 410~525MHz / 862~1020MHz (user defined frequency)
- Modulation LoRa/FSK

This intelligent smart gateway is the core of the entire wireless smart IoT system, a small form factor design can be used in a wide variety of applications. External antenna enhances the range, and HTTPS secure connection enables this product to be used in any network that requires high-security iOS and Android APP are now available to add devices easily to the gateway and create linkage for automation.

Applications:

- Commercial/Residential monitoring
- Frenchize stores and multi-location installation

Sensors

Watch*NET* IoT sensors are smart with LoRa technology and can report to the gateways from long distance. Sensors are smart that it doesn't report all the events but it has the ability to recognize the reportable events. Thus, Watch*NET* IoT sensors saves battery life and also reduce the traffic.

WIRELESS TEMPERATURE & HUMIDITY SENSOR

Wireless LoRaWAN node with integrated high-precision environmental sensors can measure changes in ambient temperature & humidity with more precision...

Wireless Temperature & Humidity Sensor For Low Temp

WLRC-S16L

This commercial-grade temperature and humidity sensor can be used to monitor the temperature and humidity of a low-temperature environment and notify personals by SMS, email, or phone call true our hosted web platform if the values go out of the optimal range. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surfaces.

- Temperature Measurement Range: -40°C ~ 55°C (-40°F ~ 131°F)
- Built-in Antenna
- TX Power: 19dBm±1dBm
- Operating Temperature: -40°C ~ 55°C (-40°F ~ 131°F)

Applications:

- Walk-IN Freezers and coolers
- Cold storages
- Factories, Mines
- Data centers
- E Farming and greenhouse

Wireless Temperature and Humidity Sensor

WLRI-S16

This indoor temperature and humidity sensor can be used to monitor the temperature and humidity of the environment and notify personals by SMS, email, or phone call if the values go out of the optimal range. This sensor is small and has a sleek design making it look elegant.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Built-in Antenna
- Operating Temperature: -20°C ~ 55°C (-4°F ~ 131°F)

Applications:

- Office room temperature & humidity
- Restaurant dining area temperature and humidity
- Indoor stadium temperature & humidity
- Seminar halls temperature & humidity

Wireless Temperature & Humidity Sensor

WLRC-S17

This commercial-grade temperature and humidity sensor can be used to monitor the temperature and humidity of low-temperature environment and notify personals by SMS, email, or phone call through our hosted web platform if the values go out of the optimal range. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surfaces.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Built-in Antenna
- Operating Temperature: -20°C ~ 55°C (-4°F ~ 131°F)

Applications:
- Walk-IN Freezers & coolers
- Cold storages
- Outdoor temperature in extreme conditions

WIRELESS THERMOCOUPLE SENSOR

Wireless Thermocouple sensor used to detect the temperature of the object and medium which thermocouple is contacted using an external K-type thermocouple. Can be used in Factories, Food manufacturing units, Freezers, Boiler and furnace rooms, High heat ovens & Meat fridge...

Wireless 1-Gang Thermocouple Sensor - Type T

WLRC-S18T

This commercial-grade T Type thermocouple sensor can be used to monitor the temperature of the specific substance or environment and notify personals by SMS, email, or phone call from our hosted web platform if the values go out of the optimal range. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This device has a magnetic back panel that can be mounted on any metal surfaces.

- Temperature Measurement Range: -40°C ~ 125°C (-40°F ~257°F)
- Built-in Antenna
- Operating Temperature: -20°C ~ 55°C (-4°F ~ 131°F)

Applications:
- Factories
- Food manufacturing units
- Freezers
- Boiler and furnace rooms
- High heat ovens
- Meat fridge

Wireless 1-Gang Thermocouple Sensor -Type K

WLRC-S18K1

This commercial-grade K Type thermocouple sensor can be used to monitor the temperature of the specific substance or environment and notify personals by SMS, email, or phone call from our hosted web platform if the values go out of the optimal range. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surfaces.

- Temperature Measurement Range: -40°C ~ 375°C (-40°F ~ 707°F)
- Signal Range: Up to 500m/0.310miles
- Thermocouple Wire Length 1m / 39.37”
- Encrypt-RF™ Security
- Built-in Antenna

Applications:

- Factories
- Food manufacturing units
- Freezers, Boiler and furnace rooms
- High heat ovens & Meat fridge

Wireless 2-Gang Thermocouple Sensor - Type T

WLRC-S18T2

This commercial-grade T Type thermocouple sensor can be used to monitor the temperature of the specific substance or environment and notify personals by SMS, email, or phone call from our hosted web platform if the values go out of the optimal range. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surfaces.

- Temperature Measurement Range: -40°C ~ 125°C (-40°F ~ 257°F)
- Signal Range: Up to 500m/0.310miles
- Thermocouple Wire Length 1m / 39.37”
- Encrypt-RF™ Security
- Built-in Antenna

Applications:

- Factories
- Food manufacturing units
- Freezers, Boiler and furnace rooms
- High heat ovens & Meat fridge

Wireless 2-Gang Thermocouple Sensor -Type K

WLRC-S18K2

This commercial-grade K Type thermocouple sensor can be used to monitor the temperature of the specific substance or environment and notify personals by SMS, email, or phone call from our hosted web platform if the values go out of the optimal range. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surfaces.

- Temperature Measurement Range: -40°C ~ 375°C (-40°F ~ 707°F)
- Signal Range: Up to 500m/0.310miles
- Thermocouple Wire Length 1m / 39.37”
- Encrypt-RF™ Security
- Built-in Antenna

Applications:
- Factories
- Food manufacturing units
- Freezers, Boiler and furnace rooms
- High heat ovens & Meat fridge

WIRELESS VIBRATION SENSOR

Wireless vibration sensor equipped with an external rolling ball type to detect motion events such as vibration and shock. Used to detect Motor failure detection (loss of vibration), Glass break detection, Security applications, General vibration & shock sensing...

Wireless Accelerometer & Surface Temperature Sensor

WLRC-S31

WLRC-S31 can detect the movement or vibration of any attached device, along with the surface temperature. This product is great to monitor pumps, motors, and industrial/ commercial equipment for stress and working over the recommended temperature. It can prevent equipment failure that requires a 24-hour operation.

- NTC Temperature Range: -40°C ~ 125°C (-40°F ~ 257°F)
- 2x 3.6V ER14505 AA lithium batteries
- Encrypt-RF™ Security
- Built-in Antenna

Applications:
- Industrial equipment monitoring
- Surface temperature measurement
- Movement and vibration sensing

Wireless Activity Detection Sensor

WLRC-S33

The WLRC-S33 sensor detects the sudden movement or vibration of the device and sends an alarm signal to the gateway for processing. This device can be used for monitoring unattended devices or equipment for sudden movement or vibration.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Signal Range: Up to 500m/0.310miles
- TX Power: 19dBm±1dBm & Rx Sensitivity: -136dBm (LoRa) & -121dBm (FSK)
- Encrypt-RF™ Security
- Built-in Antenna

Applications:

- Monitor unattended traps
- Sudden force or glass break detection
- Outdoor parked vehicle monitoring
- Other movements and vibrations

Wireless 2-Gang Vibration Sensor, Rolling Ball Type

WLRC-S19R2

Pick up small vibrations or movements with this rolling ball type vibration detector. It can be used as a glass break sensor, material or surface vibration, intruder prevention, etc. This device has a magnetic back panel that can be mounted on any metal surfaces. Immediate alerts can be sent by SMS, email or phone call from our hosted web platform.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Signal Range: Up to 500m/0.310miles
- 2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Encrypt-RF™ Security
- Built-in Antenna

Applications:

- Vibration count per day
- Monitor machinery to know whether it is On/Off
- Equipment cycle per period
- Excessive vibrations
- Sudden impact off a force

Wireless Vibration Sensor, Rolling Ball Type

WLRC-S19R

Pick up small vibrations or movements with this rolling ball type vibration detector. It can be used as a glass break sensor, material or surface vibration, intruder prevention, etc. This device has a magnetic back panel that can be mounted on any metal surfaces. Immediate alerts can be sent by SMS, email, or phone call from our hosted web platform.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Signal Range: Up to 500m/0.310miles
- 2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Encrypt-RF™ Security
- Built-in Antenna

Applications:

- Vibration count per day
- Monitor machinery to know whether it is On/Off
- Equipment cycle per period
- Excessive vibrations
- Sudden impact off a force

Vibration 2-Gang Sensor, Spring Type

WLRC-S19S2

This commercial-grade vibration detection sensor can be used to detect vibrations on mechanical equipment and on any surfaces to monitor vibrations. The device is small and has a sleek design making it easy to install and handle. This device can be used to monitor machinery; vibrations for too long, vibration count per day, and no vibration at all. This device helps in predictive maintenance by analyzing the efficiency of the machine on a daily basis.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Signal Range: Up to 500m/0.310miles
- 2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Improved interference immunity
- Built-in Antenna

Applications:

- Vibration count per day
- Monitor machinery to know whether it is On/Off
- Equipment cycle per period
- Excessive vibrations
- Sudden impact off a force

Vibration Sensor, Spring Type

WLRC-S19S

This commercial-grade vibration detection sensor can be used to detect vibrations on mechanical equipment and on any surfaces to monitor vibrations. The device is small and has a sleek design making it easy to install and handle. This device can be used to monitor machinery; vibrations for too long, vibration count per day, and no vibration at all. This device helps in predictive maintenance by analyzing the efficiency of the machine on a daily basis.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Signal Range: Up to 500m/0.310miles
- 2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Encrypt-RF™ Security
- Built-in Antenna

Applications:

- Vibration count per day
- Monitor machinery to know whether it is On/Off
- Equipment cycle per period
- Excessive vibrations
- Sudden impact off a force

WIRELESS LIGHT & OCCUPANCY SENSOR

The wireless light sensor has a built-in photosensitive sensor and it is used for the detection of ambient light intensity which can be used in Greenhouse, Film Studios, and Professional sports stadiums, Movie Theatres...

Wireless Occupancy/Light/Temperature Sensor

WLRI-S25

WLRI-S25 occupancy sensor is a three-in-one device that can give information about the presence, temperature, and light level of any room. These three factors combined can ideally monitor any room or area for the time occupied. It can be used as a security device to detect intrusion of all premises.

- 3-in-1device that can give information about the Presence, Temperature & Light level of any room
- Sensing Angle: Horizontal 110°, vertical 60° & Sensing Distance 2m to 12m / 6.56ft to 39.37ft

Applications:

- Area access monitoring
- Detect occupancy in a room
- Building automation
- Condition monitoring (light)
- Security/Intrusion

Wireless Light Sensor

WLRC-S20

This commercial-grade indoor/outdoor wireless light sensor can detect the intensity of light in LuX of the environment. This can be used in many industries where the intensity of the light matters, like Greenhouse, Film Studios, and Professional sports stadiums. This device can be used with WLRI-P11M smart power outlet, to create an automated lighting system. Light sensors can be used as a part of automation for grow-up operations where light intensity is vital.

- Sleeping Mode; 18uA
- Wake up Mode 6.3mA@3.3V
- Low Voltage Threshold; 3.2V
- Transmitting current: (max) 120mA@3.3V
- Receiving current: (max) 11mA @3.3V

Applications:
- Greenhouse/E-Farming
- Film Studio
- Movie Theatres
- Professional sports stadiums
- Simple automation

WIRELESS SOIL MOISTURE SENSORS

Detects soil temperature and moisture content and soil conductivity and transmits the detected data to other devices through the LoRaWAN network.

Wireless Soil Moisture Sensor

WLRC-S22

This soil moisture sensor measures the quantity of water contained in a material, such as soil on a volumetric or gravimetric basis. To obtain an accurate measurement these oil-water sensors provide promising new opportunities for automating greenhouse irrigation according to plant needs.

- Wireless communication device that detects the moisture content of the soil
- 2x 3.6V ER14505 AA lithium batteries
- Moisture Content Detection: Range 0-100%VWC

Applications:
- Soil moisture content detection
- e-farming
- Indoor/Outdoor greenhouses
- Home/Office plant monitoring

Wireless Soil Moisture / Temperature / Electrical Conductivity Sensor

WLRC-S34

Sensor for monitoring soil moisture levels and soil temperature values in precision farming and environmental monitoring applications. It provides the data required for cost-efficient irrigation, crop yield optimization, and protection of natural resources. Designed to work in any type of soil. It has low current consumption and a 5TE interface. It is ideally suited for solar-powered remote applications.

- Soil Temperature Measurement Accuracy: ± 1°C@25°C / ± 30.2°F@77°F
- Soil Moisture Content Resolution: 0.08% VWC within 0-50% VWC range
- Soil Moisture Content Accuracy: ± 3% VWC (typical)
- Protection Class: Main Part IP65
- Environment Temperature Range: -20°C ~ 55°C (-40°F ~ 131°F)

Applications:

- Indoor / Outdoor precision farming
- High yield Green Houses
- Environmental monitoring

Wireless Multi-Sensor Interface for 0-24V ADC, Dry Contact and 4-20mA

WLRC-I122C

WLRC-I122C is a great interface device to monitor machinery, battery chargers, gas sensors and water flow sensors. It can transmit alarm status of the device using dry contact and analog output reading of the equipment. Easy to read and customize application on Watch*NET* IoT platform for alarms and notifications.

- Temperature Measurement Range: -20°C ~ 55°C (-4°F ~ 131°F)
- Signal Range: Up to 500m/0.310miles
- 2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Encrypt-RF™ Security
- Built-in Antenna

Applications:

- Sensor
- Measuring equipment
- Instrumentation
- Alarm status
- Equipment interface

Wireless Top Mount Ultrasonic Liquid Level Sensor

WLRC-S43T

This wireless communication device uses ultrasonic to measure distance. The ultrasonic propagation medium of WLRC-S43T ultrasonic sensor is air, so the measured object can be any liquid or solid with a certain flat. The device can be used for liquid level detection, material level detection, etc. The host body and the ultrasonic sensor communicate through the UART serial port and transmit the detected data to other devices through the wireless network for display. It adopts a wireless communication method that conforms to the LoRa™ protocol standard.

- Wakeup current range: 0.8mA-20mA
- Detection Angle: About 15°
- Wake-up Current: 0.8mA - 8mA@3.3V
- Blind Distance: 0-0.25m / 0-9.84”
- Wireless communication through LoRa
- Temperature Range:
  -15°C ~ 55°C (-5°F ~ 131°F)

Applications:
- Water level of water tank monitoring
- Water level of water well monitoring
- Horizontal distance detecting
- The level of material detecting

AIR QUALITY & CO2

Wireless Air Quality, CO2 & Liquid Level Sensors detect the carbon monoxide content in ambient air

Wireless pH Sensor

WLRI-S23

This specialized water pH/temperature sensor is factory calibrated and ready to use out of the box. Ideal to use indoor or outdoor facilities that are away from the main building. 12VDC power required for operation. Wireless long-range signal makes it ideal for pool houses, farmhouses, etc.

- pH Operating Temperature:
  0°C ~ 65°C (32°F ~ 149°F)
- Range: 0~14PH, Accuracy: ±0.01PH &
  Working Pressure: <0.2MPa
- Data Transfer Rate: 0.3kbps~50kbps

Applications:
- Swimming pool pH level & temperature
- Agricultural water pH level
- Aquariums pH/temperature &
  Drinking water

Wireless Carbon Monoxide Detector (CO)

WLRC-IDCO

WLRC-IDCO is an Investigative Device used for monitoring presences of carbon monoxide at any inclosed area. This device can detect carbon monoxide and send data to our cloud platform for investigative purposes and notification.

WARNING!

1. WLRC-IDCO device is not to substitute for smoke detection mandated by local and government regulations/building code
2. WLRC-IDCO is to be used as an investigative device for information purposes ONLY
3. WLRC-IDCO is not a life safety device

Investigative Device
Not to be used for life safety

- Standby Current: 18uA/3VDC
- Operating Current: 70uA/3VDC
- Current While alarming: 20mA/3VDC
- Communication Range: Up to 400m/0,25miles
- Built-in antenna

Applications:

- Carbon Monoxide Detection device for Commercial building, offices, stair walls, server rooms, school and hotel applications

Wireless CO2 / Temperature / Humidity Sensor

WLRI-S41

This wireless CO2 (carbon dioxide) detector makes it ideal to install in public places, greenhouses, gyms, etc. A proper CO2 measuring device is integral to a good facility safety system, as it gives a real-time CO2 measure and alarm to protect your employees from dangerous gases in the work area.

IAQ
Indoor Air Quality

- Accuracy: +/- (100ppm+6%{Value})
- Range: 0-5000ppm
- Response Time: T<90s & Output: PWM UART
- Power Supply: 12V/1A* DC
- Built-in antenna

Applications:

- Greenhouses
- Gym and public areas
- Workplace
- Factory & manufacturing

Wireless Smoke Detector

WLRC-IDS1

WLRC-IDS1 is an Investigative Device used for monitoring presences of smoke at inclosed area. This device can detect smoke using photo electric technology and sent data to our cloud platform for investigative purpose and notification.

Investigative Device
Not to be used for life safety

WARNING!

1. WLRC-IDS1 device is not to substitute for smoke detection mandated by local and government regulations/building code
2. WLRC-IDS1 is to be used as an investigative device for information purposes ONLY
3. WLRC-IDS1 is not a life safety device

- Standby Current: 12uA@3VDC
- Alarming dBm: 85dBm@3m
- Current While alarming: 580mA/3VDC
- Alarming concentration: 0.65 ~ 15.5%FT
- Signal Range: Up to 400m/0,25miles
- Built-in antenna

Applications:

- Commercial building, offices, stair walls, server rooms, school and hotel applications

Wireless PM2.5 / Temperature / Humidity Sensor M

WLRI-S24M

This air quality sensor can pick up airborne particles in the air such as dust up to PM2.5. It also has a built-in temperature and humidity sensor. Ideal for any environment air quality monitoring is required.

IAQ
Indoor Air Quality

- Particle measurement range: 0.3 ~ 1.0; 1.0 ~ 2.5um
- Particle count efficiency: 50%@0.3um, 98%@≥0.5um
- Temperature measurement range: -20°C ~ 55°C (-40°F ~ 131°F)

Applications:

- Laboratories
- Gym and public areas
- Restaurants
- Factory and manufacturing
- Offices and other workplaces

LIQUID LEVEL

Wireless Liquid Level sensor monitors non-inflammable liquid that notifies the liquid level status. Uses a solid-state, continuous (multilevel) fluid level sensor for measuring levels in the water, non-corrosive water-based liquids, and dry fluids (powders)...

Wireless Liquid Level Sensor

WLRI-S43

Monitor non-inflammable liquid. Simple and easy to install a wireless sensor that works with long-range communication to our gateway and platform for immediate notifications of liquid level status.

- Liquid Level Sensor Length: 3m/9.8ft, 5m/16.4ft, 10m/32.8ft...etc.
- Liquid Level Sensor Accuracy: 0.25%FS (Typical)
- Spread Technique: LoRa/FSK

Applications:

- Monitor and track water tank levels
- Monitor no inflammable liquids
- Track non-corrosive fluid levels
- Monitor sump pit water level

Wireless Bottom-installed Ultrasonic Liquid Level Sensor

WLRC-S43U

WLRC-S43U is a new innovative Ultrasonic liquid level meter, which is mounted at the bottom of the tank without any need for alteration or drilling holes for installation. This is an ideal sensor for measuring pure liquids, such as clean water, oil, diesel, gasoline, and liquefied gas, etc. in small, medium, and large capacity tanks. Long-range wireless communication makes this device easy to install outdoors and make operational at record time.

- Operating Current: Less than 50mA
- Temperature Accuracy: ±2-3°C (±35.6~37.4°F), -40°C~125°C (-40°F~257°F)(NTC thermistor)

Applications:

- Tank levels, Diesel fuel gauging
- Liquid assets inventory
- High or low-level alarms
- Process batch monitoring
- Remote monitoring
- Input to telemetry systems
- Irrigation control

WIRELESS POWER & METERING

Wireless 1 & 3 phase current detector is used to detect electrical input current respectively. Powered by a battery and receives AC current through a current transformer. Adopts open-loop current transformer, which can be easily connected to the device to be tested...

Wireless 1 - Phase Current Meter with 1 x 150A Clamp-On — WLRC-M1150

This commercial-grade current meter can be used to monitor the current usage of any equipment whether it is single-phase or three -phase. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This device can be installed on any metal surface as it comes with a built-in magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing setup. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using a high current than specified by the manufacturer.

- 2 x 3.6v ER14505 AA lithium batteries (3.6v 2400mah / section)
- Sleeping Current: 25uA & Wake up Current: 7mA
- Current: Receiving (11mA @3.3V) / Transmitting (127mA @3.3V)
- Super long signal penetration with Encrypted-RF™ Security
- Working Temperature: -20°C ~ 55°C / -4°F ~ 131°F
- Built-in antenna
- Communication Range: Up to 500m/0.310miles

Wireless 1 - Phase Current Meter with 1 x 75A Clamp-On — WLRC-M175

Applications:

- Compressor / Generator current monitoring
- Equipment working or not working status
- Overload current monitoring
- Predictive maintenance of machinery
- Smart energy management

Wireless Plug-and-Play Power Outlet with Consumption M

WLRI-P11M

This power plug can support up to 15Amps powering most of the residential/commercial power equipment. Ideal to monitor power for machines that need to be ON all the time. Monitor power consumption, voltage, Amps, power failure, and the number of times used per day to any connected equipment. Great for extending life cycle by identifying frequently used equipment such as in the gym.

- Wireless plug-and-play Power Outlet with consumption meter
- Typical Operating Current: 15mA/220VAC/1W
- Motor load: 1.5HP/240VAC
- Resistive load: 16A/250VAC; P:4000VA
- Relay Switch Life Times: 100,000 times

Applications:

- Gym equipment used cycles per day
- Medical storage refrigerators
- Food storage freezers
- Aquariums and reptile cages
- Remote On/Off connected devices

Wireless 3-Phase Current Meter with 3x150A Clamp-On

WLRC-M3150

This commercial-grade current meter can be used to monitor the current usage of any equipment whether it is single-phase or three-phase. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This device can be installed on any metal surface as it comes with a built-in magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing setup. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using a high current than specified by the manufacturer.

- Wireless Three Phase Current Meter with 3 x 150A Clamp-On
- 2 x 3.6v ER14505 AA lithium batteries
- Sleeping Current: 25uA
- Wake up Current: 7mA
- Current: Receiving (11mA @3.3V) / Transmitting (127mA @3.3V)

Applications:

- Compressor / Generator current monitoring
- Equipment working or not working status
- Overload current monitoring
- Predictive maintenance of machinery
- Smart energy management

Wireless 1-Phase Current Meter with 1 x 250A Clamp-On

WLRC-M1250

This commercial-grade current meter can be used to monitor the current usage of any equipment whether it is single-phase or three-phase. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This device can be installed on any metal surface as it comes with a built-in magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing setup. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using a high current than specified by the manufacturer.

- Wireless One Phase Current Meter with 1 x 250A Clamp-On
- 2 x 3.6v ER14505 AA lithium batteries
- Sleeping Current: 25uA
- Wake up Current: 7mA
- Current Receiving (11mA @3.3V) / Transmitting (127mA @3.3V)

Applications:

- Compressor / Generator current monitoring
- Equipment working or not working status
- Overload current monitoring
- Predictive maintenance of machinery
- Smart energy management

Wireless 2-input mA Current Meter Interface, 4~20mA

WLRC-M112

This interface completes a 4~20mA current loop. The sensor measures a process variable, the transmitter translates that measurement into a current signal, the receiver displays or performs an action with that signal. It can be used to read field instrumentation sensors such as pressure sensors, temperature sensors, level or flow sensors, pH sensors, and gas sensors implement a 4~20mA connection to their outputs. Also, there are several actuators, such as valves, which can be controlled via a 4~20mA loop.

- 2 x 3.6v ER14505 AA lithium batteries
- Sleeping Mode: 21uA
- Wake up Mode: 6.3mA@3.3V
- Current Receiving (11mA @3.3V) / Transmitting (120mA @3.3V)

Applications:

- Sensing
- Measuring equipment
- Instrumentation
- Convert analog to the digital readout

Wireless 3-Phase Current Meter with 3 x 250A Clamp-On

WLRC-M3250

This commercial-grade current meter can be used to monitor the current usage of any equipment whether it is single-phase or three-phase. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This device can be installed on any metal surface as it comes with a built-in magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing setup. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using a high current than specified by the manufacturer.

- Wireless Three Phase Current Meter with 3 x 250A Clamp-On
- 2 x 3.6v ER14505 AA lithium batteries
- Sleeping Current: 25uA
- Wake up Current: 7mA
- Current Receiving (11mA @3.3V) / Transmitting (127mA @3.3V)

Applications:

- Compressor / Generator current monitoring
- Equipment working or not working status
- Overload current monitoring
- Predictive maintenance of machinery
- Smart energy management

Wireless mA Current Meter Interface, 4~20mA

WLRC-M11

This interface completes a 4~20mA current loop. The sensor measures a process variable, the transmitter translates that measurement into a current signal, the receiver displays or performs an action with that signal. It can be used to read field instrumentation sensors such as pressure sensors, temperature sensors, level or flow sensors, pH sensors, and gas sensors implement a 4~20mA connection to their outputs. Also, there are several actuators, such as valves, which can be controlled via a 4~20mA loop.

- 2 x 3.6v ER14505 AA lithium batteries
- Sleeping Mode: 21uA
- Wake up Mode: 6.3mA@3.3V
- Current Receiving (11mA @3.3V) / Transmitting (120mA @3.3V)

Applications:

- Sensing
- Measuring equipment
- Instrumentation
- Convert analog to the digital readout

Wireless 3-Phase Current Meter with 3 x 75A Clamp-On

WLRC-M375

This commercial-grade current meter can be used to monitor the current usage of any equipment whether it is a single-phase or three-phase. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This device can be installed on any metal surface as it comes with a built-in magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing setup. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using a high current than specified by the manufacturer.

- Rated Input Current: 30A, 50Hz~60Hz
- Rated Output Current: 10mA & Saturation Current: ≥75A
- Ratio: 3000:1 with Load Resistance of 10Ω
- Temperature: -20°C~55°C (-4°F~131°F)
- Encrypt-RF™ Security

Applications:

- Compressor / Generator current monitoring
- Equipment working or not working status
- Overload current monitoring
- Predictive maintenance of machinery
- Smart energy management

WIRELESS WATER LEAK DETECTION

Wireless Water Leak Detection sensor detects the leak with utmost precision & locates the exact place. Will send an alarm message to the smart IoT gateway. Used commonly in Residential/Commercial Data Centers/Server Rooms, Air Condition Water Leak Detection, Storage Tank Water Presence & Dry Condition Detection

Wireless LoRa Valve Keeper

WLRI-V11

This automatic wireless valve closure can be used to shut off water/gas in event of an emergency. It can be activated from a smart phone or can be paired with a smart gateway and water leak/gas detectors. A robust and high-power gearbox gives up to 7.5kgf (Output force) to close any stubborn valve.

- DC Power Supply, DC12V
- Temperature: -20°C~55°C (-4°F~131°F)

Applications:

- Water main shut off upon leak detection
- Automatic irrigation by timer
- Smart irrigation with a soil moisture sensor
- Emergency gas shut off
- Works online/offline with smart gateway

Wireless Water Leak Sensor

WLRC-D15

WLRC-D15 is a wireless water/flood detection device with long-range communication capabilities. Two stainless steel electrodes quickly detect water presence on contact. Combined with a water shutter valve WLRI-V11 can stop serious water damage to the property. Built-in smart linkage function on gateway enables automated shut off in online or offline mode.

- 2 sections of ER14505 lithium batteries (3.6V, 2400mAh/ section) in parallel
- Standby Current: 24uA
- Receiving Current: 11mA @3.3V
- Transmitting Current: 120mA/3.3V

Applications:

- Any location where water presence or leak to be detected
- Industrial or Commercial use
- Residential water leak detection
- Automatic operation shut off valve to prevent damage
- Instant notification

Wireless 2-Gang Water Leak Detector

WLRC-D122

This commercial-grade water leak sensor can detect water presence immediately and notify personals by SMS, Email, or phone call from our hosted web platform. The anti-corrosive dual-pin sensor can detect water levels in condensation pans for air conditioning units. This sensor also can detect the water level is low in some holding tanks. Combined with WLRI-V11 automatic valve closure device water damage can be prevented immediately. (Works online or offline) Detects water presence or non-presence (wet/dry) of any conditions.

- 2 sections of ER14505 lithium batteries (3.6V, 2400mAh / section)
- Sleeping Mode: 23uA
- Receiving Current: 11mA @3.3V
- Transmitting Current: 120mA/3.3V

Applications:

- Residential / Commercial water leak detection
- Data Centers / IT Server rooms
- Air condition water leak detection
- Storage tank water presence detection
- Dry condition detection

Wireless Water Leak Detector

WLRC-D12

This commercial-grade water leak sensor can detect water presence immediately and notify personals by SMS, Email, or phone call from our hosted web platform. The anti-corrosive dual-pin sensor can detect water levels in condensation pans for air conditioning units. This sensor also can detect the water level is low in some holding tanks. Combined with WLRI-V11 automatic valve closure device water damage can be prevented immediately. (Works online or offline) Detects water presence or non-presence (wet/dry) of any conditions.

- Super Long Range Signal Penetration
- Water Line Max. Working Temperature: 80°C / 176°F
- Water Line Diameter: 2mm / 0.078”
- Water Line Length: 1000mm / 39.37”
- Water Line Length Limit: 300m / 984ft

Applications:

- Residential / Commercial water leak detection
- Data Centers / IT Server rooms
- Air condition water leak detection
- Storage tank water presence detection
- Dry condition detection

Wireless 2-Gang Water Leak Detector

WLRC-D142

Accurate water leak detection with immediate notification. Supervised online/offline status and battery monitoring ensure product readiness when it occurs. Water detection rope can be extended up to 300m (1000ft) for larger room monitoring.

- Super Long Range Signal Penetration
- Water Line Max. Working Temperature: 75°C / 167°F
- Water Line Diameter: 5.5mm / 0.22”
- Leaking Line Length Limit: 300m/984ft
- Core Resistance: Less than 5ohm/100m
- Rope Length: 3m / 10ft (each gang)

Applications:

- Utility room floor monitoring
- Laundry and kitchen floor monitoring
- Pump rooms and boiler room floor
- Elevator pit/sump pump water presence
- Air handling units (AHU) & compressor room floor
- Any location where water leak or presence to be detected

Wireless Water Leak Detector with Rope Sensor

WLRC-D14

Accurate water leak detection with immediate notification. Supervised online/offline status and battery monitoring ensure product readiness when it occurs. Water detection rope can be extended up to 300m (1000ft) for larger room monitoring.

- Super Long Range Signal Penetration
- Water Line Max. Working Temperature: 75°C / 167°F
- Water Line Diameter: 5.5mm / 0.22”
- Leaking Line Length Limit: 300m/984ft
- Core Resistance: Less than 5ohm/100m
- Rope Length: 3m / 10ft

Applications:

- Utility room floor monitoring
- Laundry and kitchen floor monitoring
- Pump rooms and boiler room floor
- Elevator pit/sump pump water presence
- Air handling units (AHU) & compressor room floor
- Any location where water leak or presence to be detected

Wireless Water Leak Detection and Location Sensor

WLRI-S46

WLRI-S46 is a water leak detector sensor that can pinpoint the location where the water touched the rope. Mostly when installed under elevated flooring and building risers it’s useful to know the location of water and take action to limit the damage. The location data is sent to the gateway and alerts are given.

- Position Water Leak Detector 100m (max)
- Leak Detection Error Range: 1% ± 0.5 meters of sensor cable length
- Working Temp: -20°C ~ 55°C/-4°F ~ 131°F
- Storage Temp: -40°C ~ 5°C/-40°F ~ 185°F
- Working Power (max): 40mA(RX), 80mA (TX)
- Power Supply Adapter: DC powered (12V/1A)

Applications:

- Server rooms
- Under raised flooring
- Tunnels
- Apartment water pipe raisers

WIRELESS MAGNETIC CONTACT

Dry Contact can be connected to external devices, such as switches, buttons, relays, and reed switch outputs. It can detect the closure or disconnection signal of the dry contacts...

Wireless 1-Input Dry Contact Interface — WLRC-I14

The WLRC-I14/WLRC-I142 can be connected to external dry contact devices, such as various switches, buttons, relays and reed switch outputs. It can detect the closure or disconnection signal of the dry contacts. Based on SX1276 wireless communication module, wireless communication is secured with proprietary encryption.

- Low Voltage Threshold: 3.2V
- Transmitting Current (max): 120mA@3.3V
- Receiving current (max): 11mA @3.3V
- Environment Temperature Range: -20°C ~ 55°C (-40°F ~ 131°F)
- Storage Temperature: -40°C ~ 85°C / -40°F ~ 185°F
- Wire maximum temperature: 80°C / 176°F
- Encrypt-RF™ Security
- Built-in Antenna & Communication Range Up to 500m/0.310miles

* Actual transmission distance depends on the environment

* Water Rope Extension with 5 clamps (Model No: WLRC-EX10) & U-Clamps for Water Ropes (Model No: WLRC-D14U)

Wireless 2-Input Dry Contact Interface — WLRC-I142

Applications:

- Tamper Switches
- Barn door access monitoring
- Freezer / cooler door access
- Door open too long (to determine if they are not closed all the way)
- Convenience store cooler doors (to determine if they are not closed all the way)
- Forklift seat switches
- Dry contact sensor
- Control rellay / alarms

SMART PARKING DETECTION

This smart parking vehicle detection sensor can be used to detect the presence or absence of parking vehicles in the parking space.

Smart Parking Management Sensor

WLRC-PS1

WLRC-PS1 is the first IoT smart parking sensor with a dual technology detection system, to avoid false sensing. A rugged industrial composite material can withstand up to 5000lb weight. A combination of geomagnetic and redundant sensors simultaneously detects the presence of the absents of vehicles to give an accurate result every time. Long-range wireless communication makes it easier for indoor or outdoor parking management.

- Input Power: 2x 3.6V ER18505 (3.6V 4000mAh/section) in parallel
- Sleeping Mode: 80 uA
- Wake up Mode: 6.3mA@3.3V
- Receiving Current: max 11mA @3.3V
- Transmitting Current: max 120mA/3.3V
- Built-in antenna

Applications:
- Intelligent parking detection
- Parking lot management
- Parking data analysis
- Remote notification/automation

GENERIC SENSORS & ACCESSORIES

Generic sensors such as RS485, IR Blaster, Emergency Button, Wireless Siren, Smoke Detectors, Batteries & more that complements with our bespoke ioT equipments...

3.6V Industrial Battery

WLR-BAT-36V

High capacity industrial grade AA battery for commercial applications.

- Nominal Capacity: 2400mAh
- Constant Discharge Current: max 100mA
- Pulse Discharge Current: max 200mA

Applications:
- Intelligent instrument and meter
- Memory and standby power, Alarms and security devices
- IoT and wireless transmitters
- Military devices

WLRC-D17

Wireless 1-Gang Hall Type Open/Close Detection Sensor

WLRC-D172

Wireless 2-Gang Hall Type Open/Close Detection Sensor

WLRC-D17/WLRC-D172 Wireless Door/Window Sensor can be easily installed to monitor windows, doors, and any other openings and closings, that have to be monitored. Built-in attached contact and magnet can be mounted on door openings. The long-distance wireless range makes this device ideal to monitor underground parking lot exit doors.

- 2 x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Receiving Current (max): 11mA @3.3V
- Transmitting Current (max): 120mA/3.3V
- Sleeping Mode:
  Model WLRC-D17 - 23uA
  Model WLRC-D172 - 26uA
- Wake up Mode:
  Model WLRC-D17 - 0.8mA-8mA@3.3V
  Model WLRC-D172 - 6.3mA@3.3V
- Low Voltage Threshold: 3.2V
- Data Transfer Rate: 0.3kbps ~ 0kbps(LoRa)

Applications:

- Commercial doors and window monitoring
- Residential doors and window monitoring
- Freezers and coolers open/close monitoring and count
- Alarms and Alerts when the door is open/closed in undesignated time
- Data Centers / IT Server rooms
- Access Control Systems
- Underground exit doors
- Storage room monitoring
- Cargo bay door monitoring

Wireless Emergency Button

WLRI-EB1

The WLRI-EB1 wireless push button can be used with our smart gateway to signal emergency or service requests in a facility. LoRa technology gives an exceptional wireless range for many other applications. This button can also be linked with our annunciator/siren to activate audio/visual signal.

- Working Voltage: DC 2.4V ~ 3.0V
- Standby Current: 13uA/3.0V
- Receiving Current: (max)11mA@3.0V
- Transmitting Current: (max)120mA/3.0V
- Low Voltage Threshold: 2.4V
- Data Transfer Rate: 0.3kbps ~ 50kbps
- Built-in antenna

Applications:

- Emergency alert
- Push button for service
- Any other application requires push button

Wireless RS485 Adapter

WLRC-A11

WLRC-A11 is RS485 to Wireless Converter that can communicate to devices that use RS485 communication protocol. This adaptor uses 12V DC power. Cloud-based control & notifications from legacy devices are not possible.

- Power Supply: DC 12V adapter
- Working Current: 35mA
  (when there is no external sensor)
- TX Power: 19dBm±1dBm
- Data Transfer Rate: 0.3kbps ~ 50kbps
- Built-in antenna

Applications:

- Monitor legacy controllers and devices that communicates on RS485 bus
- Controls DVRs/PTZ Cameras on alarm
- Can do basic automation control with selected controllers

Wireless Emergency Push Button

WLRI-EB2

A supervised wireless push-button that is reliable and has long battery life. It can be used for various functions that need notification instantly. Using our smart controller other devices can be linked such a siren or control devices.

- Input Power: 2xAAA batteries
- Temp: -20°C ~ 55°C (-4°F ~ 131°F)
- Operating Voltage: 2.1V-3V
- Standby Current: 14uA
- Transmitting Current (max): 120mA/3.0
- Receiving Current (max): 11mA/3.0V
- Communication Range :
  Up to 500m/0.310miles
  (depends on environment)

Applications:

- Emergency restroom help button
- Emergency buttons in parking garage
- School/Campus safety
- Construction sites and factories

Wireless IR Blaster

WLRI-IRB1

WLRI-IRB1 IR blaster can be used for IR signal learning from any remote control and reproduce the same signal to control equipment remotely. It can be used for controlling split AC units that only have built-in temperature control.

- Power Supply: DC12V
- Temp: -20°C~ 55°C (-4°F ~ 131°F)
- Working Current: 50mA / 12V / 0.6W
- Infrared Frequency: 38 KHz
- Infrared Transmission Range:
  32m/104.99ft
- Built-in antenna

Applications:

- Remote controlling of air condition
- TV, HiFi Audio, etc
- Any device that is IR control

Wireless Siren

WLRI-SR1

This wireless annunciator can be used with any Watch*NET* IoT devices to generate sirens which can be triggered by a condition/event of another device. This device has high powered speakers and LEDs to seek the attention of personnel around. Multiple alert tones can be assigned to different alarm conditions.

- Input Power: DC +12V
- Working Current: (max)250mA (DC 12V)
- Standby Current: (max)30mA (DC 12V)
- Built-in antenna

Applications:
- Condominium concierge
- Shopping mall security desks
- Elderly care
- Disabled washroom alert
- Water leak sirens
- Smoke alarm sirens
- Activity detection alarms
- Emergency button sirens

Wireless Smart I/O Controller

WLRC-IO3

WLRC-IO3 is a Wireless Multifunctional Controller that can be used as an Input/Output device or AC/DC Motor controller. Watch*NET* IoT platform can link IoT events from other devices to activate relays on this controller. Three inputs and three independent relay outputs can perform simple automation or scheduled tasks with monitoring and control.

- Input Power: DC 12V / 1A
- Working Current: 20mA(12V)
- Relay Load Characteristics: AC250V/5A, DC30V/5A
- Relay Power Consumption: 300mW
- Built-in antenna

Applications:
- Monitor doors or other dry contact inputs
- Independent input/output control (Light switch on/off, alarm trigger, etc.)
- For greenhouse/farm automation
- Remote on/off control

Interface

Interface devices are used to connect external dry contacts or pulse inputs. This can be used in various applications for monitoring, counting or receiving inputs for linkage to output devices.

Legacy systems that have alert sound or indicator light for status notification can be now made smarter and remotely monitored instantly.

Wireless 2-Input Dry Contact Interface — WLRC-I142

The WLRC-I142 can be connected to external dry contact devices, such as various switches, buttons, relays and reed switch outputs. It can detect the closure or disconnection signal of the dry contacts. Based on SX1276 wireless communication module, wireless communication is secured with proprietary encryption.

- Low Voltage Threshold: 3.2V
- Sleeping Mode: 22uA
- Wake up Mode: 6.3mA@3.3V
- Transmitting current: (max)120mA@3.3V
- Receiving current: (max)11mA @3.3V

Applications:
- Tamper Switches
- Barn door access monitoring
- Freezer / cooler door access
- Convenience store cooler doors
- Forklift seat switches
- Dry contact sensor
- Control rellay / alarms

- Low Voltage Threshold: 3.2V
- Sleeping Mode: 22uA
- Wake up Mode: 6.3mA@3.3V
- Transmitting current: (max)120mA@3.3V
- Receiving current: (max)11mA @3.3V

Applications:
- Battery Health
- Voltage Measurement
- Transducer Measurement
- Machinery
- Electrical Motors
- Weight Scale and Force-sensing
- Pressure, Temperature, Level-sensing Applications

Wireless 0-10V ADC Sampling Interface — WLRC-I12

The device is designed for a variety of resistive bridge-sensing applications like pressure, temperature, and level-sensing applications. It can also support other applications, weight scale and force-sensing applications that use strain gauge load cells, and other general resistive bridge signal-conditioning applications.

Wireless 2-Input 0-10V ADC Sampling Interface

WLRC-I122

The device is designed for a variety of resistive bridge -sensing applications like pressure, temperature, and level-sensing applications. It can also support other applications, weight scale, and force-sensing applications that use strain gauge load cells, and other general resistive bridge signal-conditioning applications.

- Sleeping Mode: 27uA
- Wake up Mode: 6.3mA@3.3V
- Transmitting current: max 120mA@3.3V
- Receiving current: max 11mA @3.3V

Applications:
- Battery Health
- Voltage Measurement
- Transducer Measurement
- Machinery
- Electrical Motors
- Weight Scale & Force-sensing
- Pressure, Temperature, Level-sensing Application

Wireless Dry Contact Interface

WLRC-I14

The WLRC-I14 can be connected to external dry contact devices, such as various switches, buttons, relays, and reed switch outputs. It can detect the closure or disconnection signal of the dry contacts. Based on Sx1276 wireless communication module, wireless communication is secured with proprietary encryption.

- Low Voltage Threshold: 3.2V
- Sleeping Mode: 22uA
- Wake up Mode: 6.3mA@3.3V
- Transmitting current: (max)120mA@3.3V
- Receiving current: (max)11mA @3.3V

Applications:
- Tamper Switches
- Barn door access monitoring
- Freezer / cooler door access
- Convenience store cooler doors
- Forklift seat switches
- Dry contact sensor
- Control rellay / alarms

WLRC-M11

Wireless 1-input mA
Current Meter Interface, 4~20mA

This interface completes a 4~20mA current loop. The sensor measures a process variable, the transmitter translates that measurement into a current signal, the receiver displays or performs an action with that signal. It can be used to read field instrumentation sensors such as pressure sensors, temperature sensors, level or flow sensors, pH sensors, and gas sensors implement a 4~20mA connection to their outputs. Also, there are several actuators, such as valves, which can be controlled via a 4~20mA loop.

- Input Power: 2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Sleeping Mode: 21uA
- Wake up Mode: 6.3mA@3.3V
- Transmitting current (max): 120mA@3.3V
- Receiving current (max): 11mA @3.3V
- TX Power: 19dBm±1dBm
- Built-in antenna
- Environment Temperature Range: -20°C ~ 55°C / -4°F ~ 131°F

WLRC-M112

Wireless 2-input mA
Current Meter Interface, 4~20mA

Applications:

- Sensing
- Measuring equipment
- Instrumentation
- Convert analog to the digital readout

WLRC-I111

Wireless 1-input
Pulse Counter Interface

The device is connected with two pulse detection interfaces, which can calculate the number of pulses and send the detected number of pulses to the gateway display. It uses the SX1276 wireless communication module. The purpose of the Pulse counter is to count the number of pulses during a specified amount of time. The time is dictated by the signal on the start/stop pin. When the start/stop pin is high, the algorithm is counting pulses.

WLRC-I112

Wireless 2-input
Pulse Counter Interface

- Input Power: 2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
- Sleeping Mode: 23uA (WLRC-I11) / 24uA (WLRC-I112)
- Wake up Mode 6.3mA@3.3V
- Transmitting current (max): 120mA@3.3V
- Receiving current (max): 11mA @3.3V
- TX Power: 19dBm±1dBm
- Built-in antenna

Applications:
- Smart Agriculture
- Smart Cities
- Energy and Utilities
- Smart Operations
- Smart Building
- Smart Metering

Wireless Soil Moisture Sensor

WLRC-S22

This soil moisture sensor measures the quantity of water contained in a material, such as soil on a volumetric or gravimetric basis. To obtain an accurate measurement these oil-water sensors provide promising new opportunities for automating greenhouse irrigation according to plant needs.

- Water Content Detection Accuracy: ±3%VWC
- Moisture Content Resolution: 0.1% VWC in mineral soil, 0.25% VWC in growth medium
- Moisture Content Detection: Range 0-100%VWC
- Built-in antenna

Applications:

- Soil moisture content detection
- e-farming
- Indoor / Outdoor greenhouses
- Home / Office plant monitoring

Wireless pH Sensor

WLRI-S23

This specialized water pH/temperature sensor is factory calibrated and ready to use out of the box. Ideal to use indoor or outdoor facilities that are away from the main building. 12VDC power required for operation. Wireless long-range signal makes it ideal for a pool house, farmhouse, etc.

- PH Sensor: Alarm Sound Intensity (85dBm at 3m / 9.84ft)
- Operating Temperature Range: 0° ~ 65°C / 32° ~ 149°F
- Range: 0~14PH, Accuracy: ±0.01PH & Working Pressure: <0.2MPa
- TX Power: 19dBm±1dBm
- Built-in antenna
- Spread Technique LoRa/FSK

Applications:

- Swimming pool pH level & temperature
- Agricultural water pH level
- Commercial laundry
- Aquariums pH/temperature
- Drinking water

Agricultural Sensors

Watch*NET* IoT has a wide range of agricultural sensors for indoor greenhouses or outdoor farms. We provide smart farming IoT solutions for indoor greenhouses or outdoor farms. Our farming setups are easy to install IP 65 rated long-range LoRa wireless sensors make it very economical and cost-effective.

Smart data from farms are now possible without high installation costs associated with extensive labor charges and expensive equipment needed.

Ultimate sensor for controlled Agriculture Environment

AG-A9B

The Agriculture Tag (AG-A9B) has been developed by Watch*NET* Inc. to provide a cost-effective solution for monitoring the environment in which plants are grown. The AG-A9B can accurately measure soil moisture and temperature/humidity of the surrounding air.

Furthermore, the orientation and movement status of the AG-A9B is also measured for plant security/integrity.

The sensor readings are communicated to the Watch*NET* Inc. platform via Watch*NET* hub devices. The Watch*NET* Inc. platform enables you to view the location and alert notifications, and easily configure system-level behavior based upon events for different business needs. The same controls are accessible to 3rd party applications via JSON API to the Watch*NET* server.

- Communication: Authenticated proprietary protocol over 2.4GHz
- Air temperature/humidity and soil moisture measurement every 60 seconds
- Reports proximity every 10 seconds to GSM or WiFi readers
- Reports 'movement' and 'tip' events
- Up to 80m/262.4ft range
- Reporting Range: 20m/65.6ft (indoors) 80m/262.4ft (outdoors / LOS)
- Number of tags-up to 2000 tags per reader
- Reporting interval 10 seconds

Applications:

- Measures Temperature / Humidity at the plant level
- Accurate Moisture measurement for each plant
- Notification of Tilt and Movement of Plants
- 24/7 inventory management and control of each plant
- Virtual Fence (Locate movement of plants within the facility)
- Real-time notifications and alerts by APP, SMS, and E-Mail

Wireless Soil Moisture / Temperature / Electrical Conductivity Sensor

WLRC-S34

Sensor for monitoring soil moisture levels and soil temperature values in precision farming and environmental monitoring applications. It provides the data required for cost-efficient irrigation, crop yield optimization, and protection of natural resources. Designed to work in any type of soil. It has low current consumption and a 5TE interface. It is ideally suited for solar-powered remote applications.

- Soil Temperature Measurement Accuracy: ± 1°C@25°C / ± 30.2°F@77°F
- Soil Moisture Content Resolution: 0.08% VWC within 0-50% VWC range
- Soil Moisture Content Accuracy: ± 3% VWC (typical)
- Protection Class: Main Part IP65
- Environment Temperature Range: -20°C ~ 55°C (-4°F ~ 131°F)

Applications:

- Indoor / Outdoor precision farming
- High yield Greenhouses
- Environmental monitoring

Wireless Top Mount Ultrasonic Liquid Level Sensor

WLRC-S43T

This wireless communication device uses ultrasonic to measure distance. The ultrasonic propagation medium of WLRC-S43T ultrasonic sensor is air, so the measured object can be any liquid or solid with a certain flat. The device can be used for liquid level detection, material level detection, etc. The host body and the ultrasonic sensor communicate through the UART serial port and transmit the detected data to other devices through the wireless network for display. It adopts a wireless communication method that conforms to the LoRa™ protocol standard.

- Wakeup current range: 0.8mA-20 mA
- Detection Angle: About 15°
- Wake-up Current: 0.8mA - 8mA@3.3V
- Blind Distance: 0-0.25m / 0-9.84”
- Wireless communication through LoRa
- Temperature Range: -15°C ~ 55°C (5°F ~ 131°F)

Applications:

- Water level of water tank monitoring
- Water level of water well monitoring
- Horizontal distance detecting
- The level of material detecting

Remote Monitoring & Control

Output devices can be configured for audio and visual notification within the local ecosystem or global alerts. Long-distance LoRa bidirectional communication enables the platform to remote control connected equipment.

RS485 Interface can make any legacy equipment smart or integration to building automation systems.

Wireless RS485 Adapter

WLRC-A11

WLRC-A11 is RS485 to Wireless Converter that can communicate to devices that use RS485 communication protocol. This adaptor uses 12V DC power. Cloud-based control & notifications from legacy devices are not possible.

- Power Supply: DC 12V adapter
- Working Current: 35mA (when there is no external sensor)
- TX Power: 19dBm±1dBm
- Data Transfer Rate: 0.3kbps ~ 50kbps
- Built-in antenna

Applications:

- Monitor legacy controllers and devices that communicates on RS485 bus
- Controls DVRs/PTZ Cameras on alarm
- Can do basic automation control with selected controllers

Wireless Plug-and-Play Power Outlet with Consumption M

WLRI-P11M

This power plug can support up to 15Amps powering most of the residential/commercial power equipment. Ideal to monitor power for machines that need to be ON all the time. Monitor power consumption, voltage, Amps, power failure, and the number of times used per day to any connected equipment. Great for extending life cycle by identifying frequently used equipment such as in the gym.

- Wireless plug-and-play Power Outlet with consumption meter
- Typical Operating Current: 15mA/220VAC/1W
- Motor load: 1.5HP/240VAC
- Resistive load: 16A/250VAC; P:4000VA
- Relay Switch Life Times: 100,000 times

Applications:

- Gym equipment used cycles per day
- Medical storage refrigerators
- Food storage freezers
- Aquariums and reptile cages
- Remote On/Off connected devices

Wireless IR Blaster

WLRI-IRB1

WLRI-IRB1 IR blaster can be used for IR signal learning from any remote control and reproduce the same signal to control equipment remotely. It can be used for controlling split AC units that only have built-in temperature control.

- Power Supply: DC12V
- Temp: -20°C~ 55°C / -4°F ~ 131°F
- Working Current: 50mA / 12V / 0.6W
- Infrared Frequency: 38 KHz
- Infrared Transmission Range: 32m/104.99ft
- Built-in antenna

Applications:

- Remote controlling of air condition
- TV, HiFi Audio, etc
- Any device that is IR control

Wireless Siren

WLRI-SR1

This wireless annunciator can be used with any Watch*NET* IoT devices to generate sirens which can be triggered by a condition/event of another device. This device has high powered speakers and LEDs to seek the attention of personnel around. Multiple alert tones can be assigned to different alarm conditions.

- Input Power: DC +12V
- Working Current: (max)250mA (DC 12V)
- Standby Current: (max)30mA (DC 12V)
- Built-in antenna

Applications:

- Condominium concierge
- Shopping mall security desks
- Elderly care
- Disabled washroom alert
- Water leak sirens
- Smoke alarm sirens
- Activity detection alarms
- Emergency button sirens

Wireless Smart I/O Controller

WLRC-IO3

WLRC-IO3 is a Wireless Multifunctional Controller that can be used as an Input/Output device or AC/DC Motor controller. Watch*NET* IoT platform can link IoT events from other devices to activate relays on this controller. Three inputs and three independent relay outputs can perform simple automation or scheduled tasks with monitoring and control.

- Input Power: DC 12V / 1A
- Working Current: 20mA(12V)
- Relay Load Characteristics: AC250V/5A, DC30V/5A
- Relay Power Consumption: 300mW
- Built-in antenna

Applications:

- Monitor doors or other dry contact inputs
- Independent input/output control (Light switch on/off, alarm trigger, etc.)
- For greenhouse/farm automation
- Remote on/off control

Wireless LoRa Valve keeper

WLRI-V11

This automatic wireless valve closure can be used to shut off water/gas in event of an emergency. It can be activated from a smartphone or can be paired with smart gateway and water leak/gas detectors. Robust and high power gearbox gives up to 7.5kgf (Output force) to close any stubborn valve.

- DC Power Supply, DC12V
- Temperature: -20°C~ 55°C (-4°F~131°F)
- Data Transfer Rate: 0.3kbps~50kbps
- Built-in antenna

Applications:

- Water main shut off upon leak detection
- Automatic irrigation by timer
- Smart irrigation with a soil moisture sensor
- Emergency gas shut off
- Works online/offline with smart gateway

Specialty devices can be used in a verity of applications. Wireless devices make installation easy. Long-distance radio signals can penetrate through concrete and steel for superior coverage. Each device has its use and also can be adapted for other applications.

Wireless Emergency Button

WLRI-EB1

The WLRI-EB1 wireless push button can be used with our smart gateway to signal emergency or service requests in a facility. LoRa technology gives exceptional wireless range for many other applications. This button can be also linked with our annunciator/siren to activate audio/visual signal.

- Working Voltage: DC 2.4V ~ 3.0V
- Standby Current: 13uA/3.0V
- Receiving Current: (max)11mA@3.0V
- Transmitting Current: (max)120mA/3.0V
- Low Voltage Threshold: 2.4V
- Data Transfer Rate: 0.3kbps ~ 50kbps
- Built-in antenna

Applications:
- Emergency alert
- Push button for service
- Any other application requires push button

- Input Power: 2xAAA batteries
- Temp: -20°C ~ 55°C (-4°F ~ 131°F)
- Operating Voltage: 2.1V-3V
- Transmitting Current (max): 120mA/3.0
- Receiving Current (max): 11mA/3.0V
- Communication Range :
  Up to 500m/0.310miles
  (depends on environment)

Applications:
- Emergency restroom help button
- Emergency buttons in parking garage
- School/Campus safety
- Construction sites and factories

Wireless Emergency Push Button (supervized)

WLRI-EB2

A supervised wireless push-button that is reliable and has long battery life. It can be used for various functions that need notification instantly. Using our smart controller other devices can be linked such a siren or control devices.

Accelerometer & Activity Detection Sensor

WLRC-S31

WLRC-S31 can detect the movement or vibration of any attached device, along with the surface temperature. This product is great to monitor pumps, motors, and industrial/recommended temperature. It can prevent equipment failure that requires 24-hour operation.

- NTC Temperature Range
  -40°C ~ 125°C (-40°F ~ 257°F)
- 2x 3.6V ER14505 AA lithium batteries
- Encrypt-RF™ Security
- Built-in Antenna

Applications:
- Industrial equipment monitoring
- Surface temperature measurement
- Movement and vibration sensing

Wireless Activity Detection Sensor

WLRC-S33

The WLRC-S33 sensor detects the sudden movement or vibration of the device and sends an alarm signal to the gateway for processing. This device can be used for monitoring unattended devices or equipment for sudden movement or vibration.

- Temperature Measurement Range:
  -20°C ~ 55°C (-4°F ~ 131°F)
- Signal Range: Up to 500m/0.310miles
- TX Power: 19dBm±1dBm
- Rx Sensitivity:
  136dBm (LoRa) & 121dBm (FSK)
- Encrypt-RF™ Security
- Built-in Antenna

Applications:
- Monitor unattended traps
- Sudden force or glass break detection
- Outdoor parked vehicle monitoring
- Other movements and vibrations

Wireless Occupancy/Light/Temperature Sensor

WLRI-S25

WLRI-S25 occupancy sensor is a three-in-one device that can give information about the presence, temperature, and light level of any room. These three factors combined can ideally monitor any room or area for the time occupied. It can be used as a security device to detect intrusion of all premises.

- 3-in-1 device that can give information about the Presence, Temperature & Light level of any room
- Sensing Angle: Horizontal 110°, Vertical 60°
- Sensing Distance: 2m to 12m / 6.56ft to 39.37ft

Applications:

- Area access monitoring
- Detect occupancy in a room
- Building automation
- Condition monitoring (light)
- Security/Intrusion

Smart Parking Management Sensor

WLRC-PS1

WLRC-PS1 is the first IoT smart parking sensor with a dual technology detection system, to avoid false sensing. A rugged industrial composite material can withstand up to 5000lb weight. A combination of geomagnetic and redundant sensors simultaneously detects the presence of the absents of vehicles to give an accurate result every time. Long-range wireless communication makes it easier for indoor or outdoor parking management.

- Input Power: 2x 3.6V ER18505 (3.6V 4000mAh/section) in parallel
- Sleeping Mode: 80 uA
- Wake up Mode: 6.3mA@3.3V
- Receiving Current: max 11mA @3.3V
- Transmitting Current: max 120mA/3.3V
- Built-in antenna

Applications:

- Intelligent parking detection
- Parking lot management
- Parking data analysis
- Remote notification/automation

Wireless Liquid Level Sensor

WLRI-S43

Monitor non-inflammable liquid. Simple and easy to install a wireless sensor that works with long-range communication to our gateway and platform for immediate notifications of liquid level status.

- Liquid Level Sensor Length: 3m/9.8ft, 5m/16.4ft, 10m/32.8ft...etc.
- Liquid Level Sensor Accuracy: 0.25%FS (Typical)
- Spread Technique: LoRa/FSK

Applications:

- Monitor and track water tank levels
- Monitor non-inflammable liquids
- Track non-corrosive fluid levels
- Monitor sump pit water level

Wireless Bottom-installed Ultrasonic Liquid Level Sensor

WLRC-S43U

WLRC-S43U is a new innovative Ultrasonic liquid level meter, which is mounted at the bottom of the tank without any need for alteration or drilling holes for installation. This is an ideal sensor for measuring pure liquids, such as clean water, oil, diesel, gasoline, and liquefied gas, etc. in small, medium, and large capacity tanks. Long-range wireless communication makes this device easy to install outdoors and make operational at record time.

- Operating Current: Less than 50mA
- Temperature Accuracy: ±2-3°C (±35.6-37.4°F), -40~125°C (-40~257°F)(NTC thermistor)

Applications:

- Tank levels, Diesel fuel gauging
- Liquid assets inventory
- High or low-level alarms
- Process batch monitoring
- Remote monitoring
- Input to telemetry systems
- Irrigation control

SMART PARKING MANAGEMENT

Wireless Surface-Mounted Parking Sensor

This smart parking vehicle detection sensor can be used to detect the presence or absence of parking vehicles in the parking space. It uses the wireless communication module and adds vehicle status information to the gateway, and displays the collected data in the gateway.

This device uses a geomagnetic sensor and radar sensor for simultaneous detection. When the car parked/placed on the geomagnetic surface, this measures the geomagnetic intensity to judge the existence of the vehicle and the radar senses the car parked above the device.

SMART HOSPITAL MANAGEMENT

IoT Solutions for Smart Hospital & Health Care

Several healthcare organizations have already adopted IoT devices in their facilities to make SMART HOSPITAL. IoT technology is being installed in everything from X-Ray, Laboratories, Blood Bank, to patient rooms, and it's making healthcare facilities smarter.

A futuristic approach is inevitable in hospitals as future healthcare will look & operate very differently than they do now. Also, patients and healthcare professionals alike will be better for it.

E-FARMING AND GREENHOUSE FARM MONITORING

Watch*NET* IoT devices provide reliable, flexible, & more efficient environmental monitoring solutions to master growers' greenhouse owners. The long-range LoRa wireless devices are easily installed that saves a lot of labor cost and is easily scalable to suit any future expansion.

Our dashboard includes E-Map and graphs gives great data visualization for quick actionable decisions for the best results. Soil Moisture, Soil Temperature, Electrical conductivity of water, Co2, Light, Air quality, Water presence of dryness, wind pattern and many other variables can be monitored.

COLD STORAGE AUTOMATION & CLIMATE CONTROLLED STORAGE

Cold storage automation or special climate-controlled facilities like laboratories are at risk when the environment is not prioritized. Vaccines that are not stored and administered under ideal conditions cannot ensure the effect that's intended by manufacturers. Cold storage automation for food & also warehouses needs to be under similar environmental monitored conditions.

Government electronic complacence records & exchanges of health information put much pressure on employees to keep up-to-date logs on their storage. An automated process by the WatchNET IoT platform makes things easy for employees and corporations.

INDUSTRIES AND FACTORIES

Industries, Factories, and large establishments share similar challenges in environmental monitoring. Many aspects, such as water leak, temperature, humidity, air quality carbon dioxide, etc have to be monitored constantly. Many times changing configurations of floor layouts need relocating of these sensors for optimum result.

Watch*NET* wireless sensors are easy, and the long-range signals make this task very easy. Preventive and predictive maintenance suggestions from our IoT platform can ensure smooth operation and very low downtime. Watch*NET* IoT provides fully scalable environmental monitoring solutions to keep an eye on the maintenance of machines by a variety of sensors.

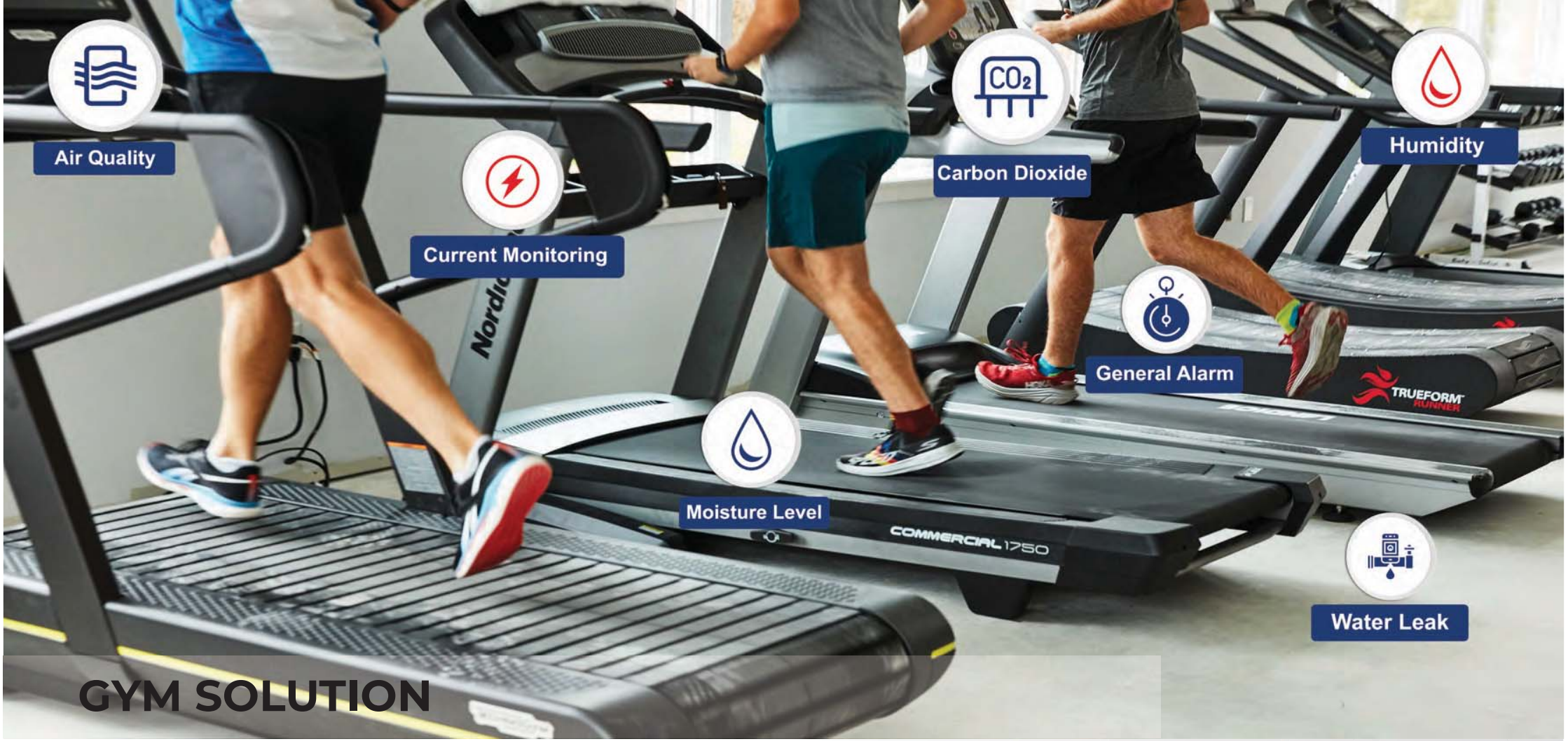
DATA CENTER SOLUTIONS

Looking for a Data Center solutions? With the recent trends in technology, how does the Internet of Things help in data center solutions? At the unprecedented rate at which technology is expanding, IoT for Data Center Solutions are redefining the game of data storage and analysis. Within the last few years, the numbers of connected devices have multiplied and are expected to escalate at an exponential rate! Data Center solutions provided by IoT are being increasingly used for several commercial and industrial solutions. To facilitate easy storage and access of data, data center solutions provide a robust platform for the smooth management of data.

IoT FOR RESTAURANT AND FOOD INDUSTRIES

Why do we need IoT for Restaurants and the Food industry today? Super Markets, Restaurants, Franchise Stores are becoming very busy these days as people prefer eating out and spending time choosing their food supplies carefully. With these changes happening rapidly day to day operational challenges require environmental monitoring as a must. IoT for restaurants must not become an added burden to the food industry or an added task to their busy schedule.

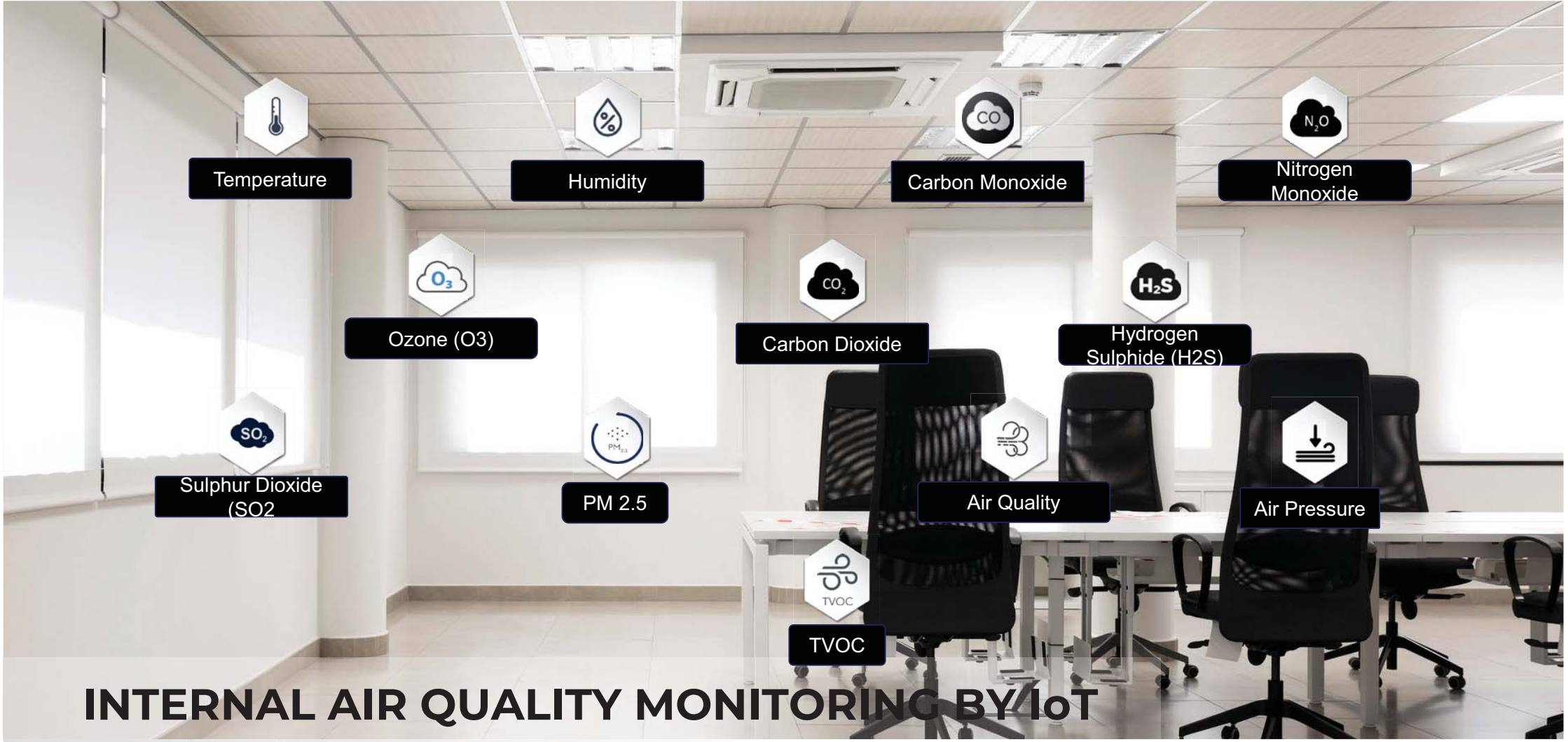
Watch*NET* IoT Industrial quality wireless devices can be installed to monitor and measure key metrics through IoT for restaurants and food to ensure compliance that is required in the facility. Our devices not only monitor the environment but also learn employees' behavior equipment efficiency that will convert to energy savings and quick return on investment.



GYM SOLUTION

Health awareness is at an all-time high. From keto diets to intermittent fasting, from HIIT to yoga, everyone wants to stay fit and eat healthily. With the world changing at a face pace with IoT connecting everything and everyone around us, it is difficult for the fitness industry to stay behind in the race to an automated world. Gym automation system is the newest kid on the block! With the right gym automation system, you can create a central hub for member and lead management, taking your fitness club to the next level.

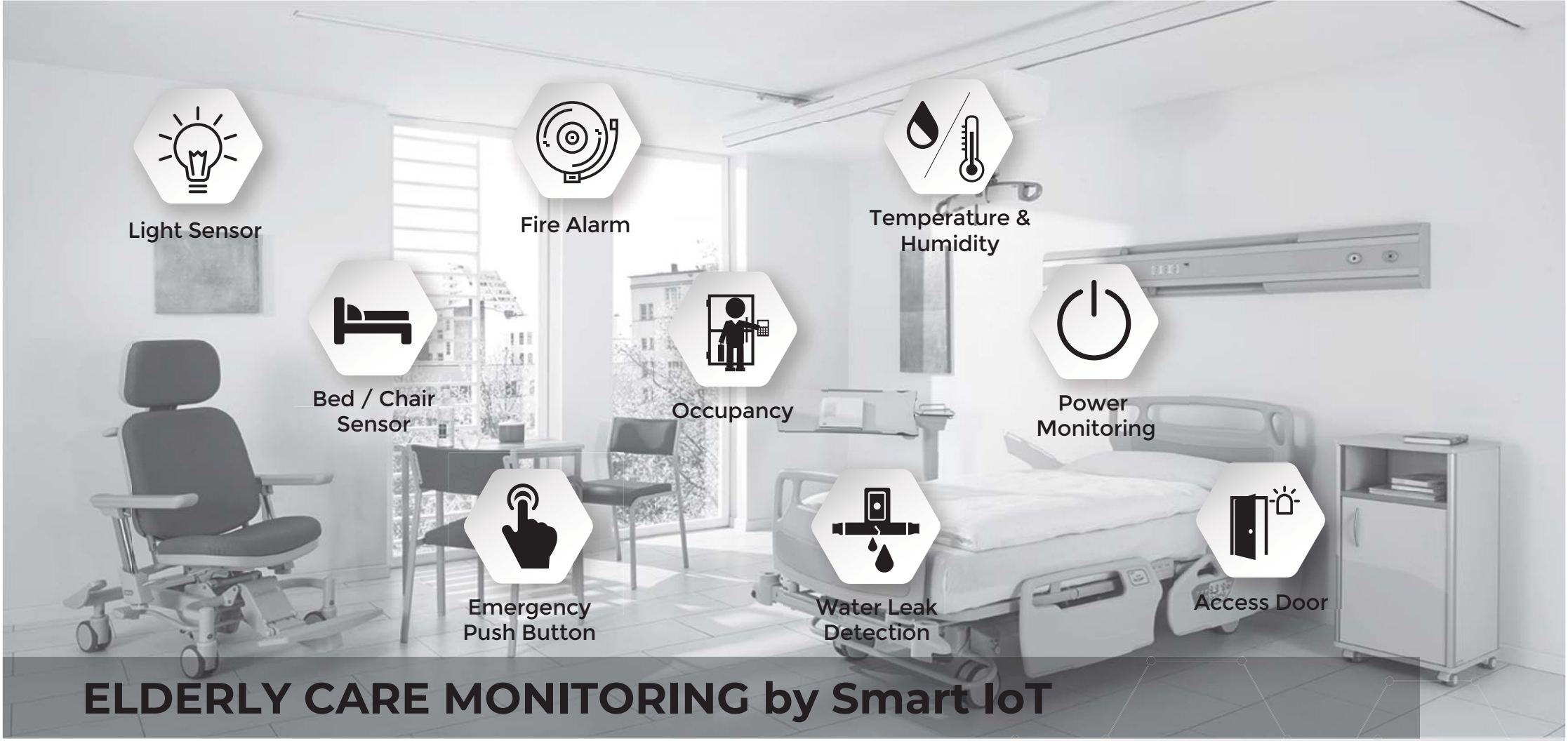
We, at Watch*NET* IoT solutions, provide an easy path to switch from your current gym software to an automated gym software. Our solutions allow you to set up and track payments, maintain your equipment, manage memberships, schedule, and manage class timings, besides providing a whole lot of data to analyze and aid in your business growth.



INTERNAL AIR QUALITY MONITORING BY IoT

Indoor air quality (IAQ) is the most important element within and around buildings. IAQ is known to affect the health, comfort, and well-being of building occupants. Perfect air quality has been linked to Reduction in Sick Building Syndrome symptoms, Absenteeism, Uplift mood of occupants, Improvement in concentration, Organic Motivation, Enhanced Performance & Increased Productivity.

IAQ can be affected by gases (including carbon monoxide, radon, volatile organic compounds), particulates, microbial contaminants (mold, bacteria), or any mass or energy stressor that can induce adverse health conditions. Source control, filtration, and the use of ventilation to dilute contaminants are the primary methods for improving indoor air quality in most buildings.



ELDERLY CARE MONITORING by Smart IoT

More older people than ever before are having to adopt health monitoring and unified communications solutions by optimizing automatic and intuitive IoT sensors, elder citizens can live more independently & maintain autonomy.

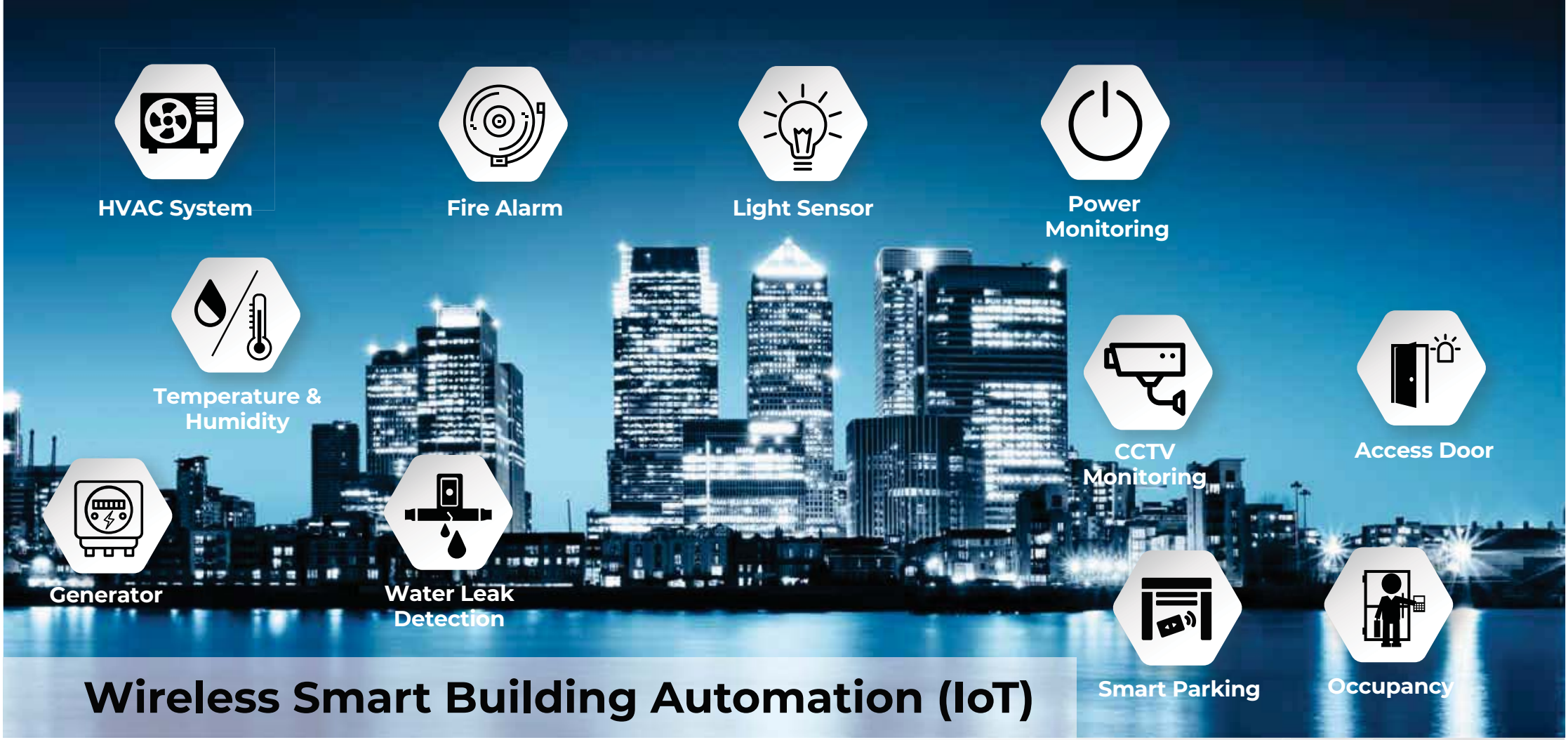
However, its not the first time that the older generation is embracing the benefits of IoT technology in their well-being. Smart technology has gradually embracing into their lives over recent years.

The ability to remotely monitor senior citizens; receive alerts in case of emergencies, predict issues based on early warning signs, and intervene proactively offers peace of mind to both healthcare providers and families of senior citizens.

VACANT PROPERTY MONITORING by Smart IoT

Many commercial real estate owners & property managers adapted to a new reality.
Property owners sometime might be experiencing vacant buildings & possible reduction or absence of onsite maintenance staff and limited oversight into a building's functionality and safety, properties may be more susceptible to loss or damage.

Watch*NET* IoT's Vacant Property Monitoring system can be a powerful tool. It can help property managers to monitor property remotely – reducing time, effort and costs associated with property oversight. Wireless IoT devices can help provide notification of potential issues before they become severe. Many sensors and devices are designed to send alerts via text or e-mail and can allow property managers to stay connected in real time with mobile devices. Watch*NET*'s Vacant Property Monitoring provides the ability to monitor multiple properties in real time.



Wireless Smart Building Automation (IoT)

A smart building helps you monitor, manage, maintain, and support the systems inside your workplace.
Facility / Property managers implementing IoT based smart building automation embracing LoRa technology that can maximize efficiency and reduce costs with minimal infrastructure and maintenance investment.

Commercial Real Estate companies to benefit from solutions that leverage LoRa devices and the LoRaWAN® protocol's deployed effortlessly taking advantage of long range & low power solutions.
Smart Building Automation (IoT) powered by LoRa devices, Real Estate businesses are able to equip properties with services that reduce maintenance and operating cost while creating value for dwelling inhabitants, and a potential revenue stream for the provided services.

WatchNET IoT

LoRa™

E-FARMING & GREENHOUSE FARM MONITORING

DATA CENTERS

FACTORIES AND COLD-STORAGES

FOOD AND RESTAURANT INDUSTRY

HEALTHCARE

COMMERCIAL BUILDINGS

RESIDENTIAL BUILDINGS

WAREHOUSING

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