

WatchNET IoT

Connect Any Thing, Connect Any Where



IoT Solution for
Gym Monitoring



Equipment Monitoring

When you first venture into a gym and you want to use a cardio machine like the treadmill, we always choose the closest one coming out of the change room. There are many similar cardio machines that are chosen the same way. This puts strain on some equipment that can result in extensive wear and tear that result in frequent repair.

Installing WatchNET power monitor on this equipment's can give valuable information about the equipment usage like

1. How often the equipment is used per day,
2. How much power it is consuming (Over the recommended power consumption indicate the motor may need maintenance).
3. What mode the equipment was used (Walking, Running, Cardio program).
4. Integrate with members website or app to alert members of peak use hours.
5. Intelligent logic to automatically turn off the most used equipment at off peak hours for extended life cycle.

Gym Environmental monitoring

Gym is a place where members come to exercise to keep fit and maintain good health. Providing a good healthy monitored environment matters to every gym. WatchNET IoT have multiple sensor devices to monitor multiple metrics.

1. Temperature and Humidity monitoring
2. Co2 (Carbon dioxide) monitoring
3. Pm 2.5 Air quality monitoring

Swimming pool monitoring

Automated monitoring of swimming pool equipment's is important to keep good water quality and healthy swimming environment.

1. PH level of water
2. Water temperature
3. Water leak detection
4. Pool pump motor monitoring
5. Pool occupancy detection
6. Indoor temperature and humidity

Access Control with Temperature Check

Automated access control using state of the art facial recognition device with built in temperature check can grant access to members and stop members with elevated body temperature. This access control can system be integrated to the cooperate member database for easy monthly subscription control and management. All facial data is digitised and stored locally on device ensuring full privacy of members.

Safe GYM Enviornment



WAF-428DT

The DT model features an infrared temperature sensor that can detect body temperature within one meter (3 Ft) of proximity. Access can be denied even the credential is valid but the person exceeded the temperature threshold

How System works?



Temperature of the room or greenhouse facility at different points.



Wireless Temperature and Humidity Sensor For Low Temp **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 true our hosted web platform if the values go out of the optimal range. This sensor is rugged and IP65 rated for humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surfaces.



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 easy to install and looks elegant.



Wireless Remote Control & Automation



Wireless Plug-and-Play Power Outlet with Consumption M **WLRI-P11**

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 number of timed used per day to any connected equipment. Great for extending life cycle by identifying frequently used equipment such as in gym.



Wireless Siren **WLRI-SR1**

This wireless annunciator can be used with any WatchNET 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.



Monitors Carbon dioxide at different points



Wireless CO₂/ Temperature/ Humidity Sensor **WLRI-S41**

This wireless CO₂ (carbon dioxide) detector makes it ideal to install in greenhouses. A proper CO₂ measuring device is integral to a good facility safety system, as it gives a real-time CO₂ measure and alarm.



Wireless PM_{2.5}/ Temperature/ Humidity Sensor **WLRI-S24M**

This air quality sensor can pick up airborne particles in the air such as dust up to PM_{2.5}. It also has a built-in temperature and humidity sensor. Ideal for any environment air quality monitoring is required.



pH level and water temperature sensor for the water storage tank.



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 main building. 12VDC power required for operation. Wireless long-range signal makes it ideal for pool house, farmhouse, etc.



Gateways

WatchNET 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 connectivity
- Low Bandwidth consumption
- Built-in Wi-Fi Gateway

Integrated Wireless IoT Controller **WLRI-G11**

This intelligent smart gateway provides cloud connection and control of devices connected. Supporting multiple technologies for communication such as LAN, WiFi and 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.



Mini Smart Gateway **WLRI-G12**

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



WatchNET IoT Cloud Software & Mobile App

- 1) Round the clock monitoring
- 2) Compatible with 100s of sensors & devices
- 3) Real-time status update
- 4) Instant alert & notification
- 5) Manage data in one place
- 6) Intuitive report with accurate historical records
- 7) Powerful eMAP
- 8) Enhanced data logging
- 9) Powerful web-based interface and mobile app





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Watchnet IoT Industry Solution

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