

Wireless Environmental Monitoring System



Agriculture



Data Centre



Industries and
Factories



Internal Air
Quality

Energy Savings
Predictive Maintenance
Quick Return on Investment
Equipment Efficiency Monitoring



Smart Hospital



Vacant Property



Smart Parking
Management



GYM












Elderly Care



Gateways	WLRI-G11-A	WLRI-G11-AH	WLRI-G12-A	WLRI-G12-AH	Gateways	WLRI-G08-M	WLRI-GPS-M
Product Image					Product Image		
Description	Integrated Wireless IoT Gateway with Antenna	Integrated Wireless IoT Gateway with Antenna & HTTPS	Wireless Mini Smart Gateway with Antenna	Wireless Mini Smart Gateway with Antenna & HTTPS	Description	8-channel indoor LoRaWAN® gateway	8-channel indoor LoRaWAN® gateway with GPS
Ethernet Connection	Supported		Supported		CPU	Quad-core 1.5 GHz, 64-bit ARM Cortex-A53	
WiFi Connection	Supported		Not Supported		Memory	512 MB DDR4 RAM	
3G/4G Dongle	Supported		Not Supported		Flash	8 GB eMMC	
Maximum Enrollment	100 Devices		50 Devices		Protection Class	IP65	IP67
Working Power	Input: 100 ~ 240V AC Output: 12V / 1.5A DC		Input: 100 ~ 240V AC Output: 5V/1A DC (USB Power)		Power Consumption	Typical 2.9 W, Max 4.2 W	Typical 3.6 W, Max 4.8 W
Operating Temperature	-10°C ~ 50°C 14°F ~ 122°F		-10°C ~ 50°C 14°F ~ 122°F		Operating Temperature	-40°C ~ +70°C / -40°F ~ +158°F Reduced Cellular Performance Above 60°C	
Dimension	123.5mm x 155mm x 65mm 4.88" x 0.54" x 2.56"		76.5mm x 37.0mm x 22.0mm 3.01" x 1.46" x 0.87"		Dimension	180 x 110 x 56.5 mm 7.09 x 4.33 x 2.22 in	240 x 164 x 90.9 mm 9.45 x 6.46 x 3.58 in


Agricultural Sensors	WLRC-S20	WLRC-S22	WLRI-S23	WLRC-S34	WLRI-S43	WLRC-S43T
Product Image						
Description	Wireless Light Sensor	Wireless Soil Moisture Sensor	Wireless pH Sensor	Wireless Soil Moisture/ Temperature/Electrical Conductivity Sensor	Wireless Liquid Level Sensor	Wireless Top Mount Ultrasonic Liquid Level Sensor
Input Power	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	Adapter DC Power Supply (12V/1A)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	DC Power Supply, DC12V/1A	2x 3.6V ER18505 (3.6V 4000mAh/ section in parallel)
Battery Life	Up to 5 years	Up to 5 years	Not Applicable	Up to 5 years	Not Applicable	Up to 5 years
Protection Class	Main Part IP65	IP65	Main Part IP40 External sensor IP65	Main Part IP65	Main Part IP40 External sensor IP65	Main Part IP65/67 Ultrasonic sensor IP60
Environment	Commercial / Outdoor	Commercial / Outdoor	Indoors	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	0°C - 65°C 32°F - 149°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-15°C ~ 55°C -5°F ~ 131°F
Dimension	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	111mm x 86mm x 41mm 4.37" x 3.38" x 1.61"	112mm x 88.19mm x 32mm 4.41" x 3.47" x 1.26"	111mm x 86mm x 42mm 4.37" x 3.38" x 1.61"	120mm x 88mm x 32mm 4.37" x 3.38" x 1.61"







Agricultural Sensors	WLRC-S43U	WLRC-S55	Water Leak Detectors	WLRC-D12/WLRC-D122	WLRC-D14/WLRC-D142	WLRC-D15	WLRI-S46
Product Image			Product Image				
Description	Wireless Bottom-installed Ultrasonic Liquid Level Sensor	Wireless Soil Moisture/Temperature/Electrical Conductivity Sensor (Waterproof Housing)	Description	Wireless Water Leak Detector	Wireless Water Leak Detector with Rope Sensor	Wireless Water Leak Detector	Wireless Water Leak Detection and Location Sensor
Input Power	2x 3.6V ER34615 lithium sub-column battery (3.6V, 19000mAh/section)	2x 3.6V ER14505 AA lithium batteries (3.6V/2400mah/section)	Input Power	2x 3.6V ER14505 AA lithium batteries (3.6V/2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V/2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V/2400mah/section)	Adapter DC Power Supply (12V/1A)
Battery Life	Up to 5 years	Up to 2.7 years	Battery Life	Up to 5 years	Up to 5 years	Up to 5 years	Not Applicable
Protection Class	Main Part IP65	Main Part IP67	Water Line Max. Working Temp.	80°C / 176°F	75°C / 167°F	N/A	N/A
Environment	Commercial / Outdoor	Commercial / Outdoor	Water Line Length Limit	300m / 984ft (Maximum Length)	300m / 984ft (Maximum Length)	N/A	100m / 328ft Shipped with 10ft extendable rope
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Protection Class	Main Part IP40 External sensor IP65	Main Part IP40 External sensor IP65	Main Part IP65	Main Part IP40 External sensor IP65
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	Environment	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor
Dimension	112mmx65mmx32mm 4.41" x 2.56" x 1.26"	ø80mm, length 134mm ø3.15", length 5.27"	Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 400m/0.248miles
			Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
			Dimension	112mmx65mmx32mm 4.41" x 2.56" x 1.26"	112mmx65mmx32mm 4.41" x 2.56" x 1.26"	88mmx65mmx19mm 3.46" x 2.56" x 0.75"	111mmx86mmx41mm 4.37" x 3.38" x 1.61"

Gas Detectors	WLRC-IDCO	WLRC-IDS1
Product Image		
		
Description	Wireless Carbon Monoxide Detector (CO)	Wireless Smoke Detector
Input Power	2xAAA alkaline battery	2xAAA alkaline battery
Battery Life	Up to 3 years	Up to 3 years
Environment	Indoor	Indoor
Signal Range	Up to 400m/0.248miles	Up to 400m/0.248miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Protection Class	Main Part IP20	Main Part IP20
Antenna Type	Built-in antenna	Built-in antenna



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

Battery	WLR-BAT-36V
Product Image	
Description	3.6V Industrial Battery
Nominal Capacity	2400mAh (Discharge at 2mA to 2.0V)
Battery Life	Not Applicable
Rated Voltage	3.6V (Operation Voltage)
Max Constant Discharge Current	100mA
Max Pulse Discharge Current	200mA
Environment	Commercial / Outdoors
Operating Temperature	-40°C ~ 85°C -67°F ~ 185°F
Dimension	50.5mm x 14.5mm 1.99" x 0.57"

	Single Phase			Three Phase		
Current Meters	WLRC-M175	WLRC-M1150	WLRC-M1250	WLRC-M375	WLRC-M3150	WLRC-M3250
Product Image						
Description	Wireless 1-Phase Current Meter with 1 x 75A Clamp-On	Wireless 1-Phase Current Meter with 1 x 150A Clamp-On	Wireless 1-Phase Current Meter with 1 x 250A Clamp-On	Wireless 3-Phase Current Meter with 3 x 75A Clamp-On	Wireless 3-Phase Current Meter with 3 x 150A Clamp-On	Wireless 3-Phase Current Meter with 3 x 250A Clamp-On
Input Power	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
Battery Life	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years
Current measurement Accuracy Range	100mA to 75A	100mA to 150A	100mA to 250A	100mA to 75A	100mA to 150A	100mA to 250A
Protection Class	Main Part IP53 External Sensor IP30	Main Part IP53 External Sensor IP30	Main Part IP53 External Sensor IP30	Main Part IP53 External Sensor IP30	Main Part IP53 External Sensor IP30	Main Part IP53 External Sensor IP30
Environment	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Dimension	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"
Weight	Main Part: 141g / 0.31lb Sensor: 49.6g / 0.15lb	Main Part: 141g / 0.31lb Sensor: 49.6g / 0.15lb	Main Part: 141g / 0.31lb Sensor: 49.6g / 0.15lb	Main Part: 141g / 0.31lb Sensor: 49.6g / 0.15lb	Main Part: 141g / 0.31lb Sensor: 49.6g / 0.15lb	Main Part: 141g / 0.31lb Sensor: 49.6g / 0.15lb

**Install Anywhere
Monitor Anything**

**Intelligent Smart
Gateway Controller**








WLRI-G11-A

WatchNET smart gateway is most advanced with multiple connectivity options like Cellular 4G, Wi-Fi and LAN to communicate with our intelligent platform. The smart gateway allows you to control equipment or devices from a mobile phone or our dashboard.

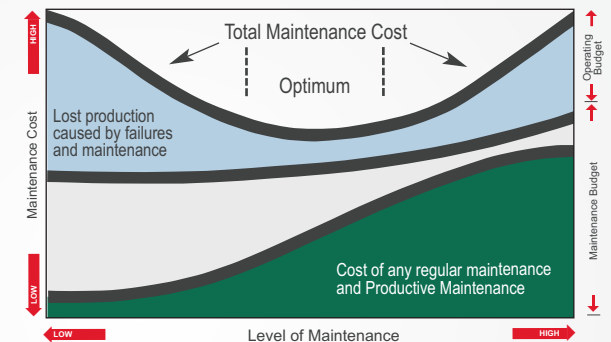
WLRI-G11-A lets you schedule events based on motion or light triggers, Water leak, Emergency button, etc and link to audible alerts and other automated events.

Smart Controller linkage function works Online or OFF Line for extreme reliability.





Temperature and Humidity Sensors	WLRI-S16	WLRC-S16L	WLRC-S17	WLRC-S18K1/WLRC-S18K2	WLRC-S18T/WLRC-S18T2
Product Image					
Description	Wireless Temperature & Humidity Sensor	Wireless Temperature and Humidity Sensor For Low Temperature	Wireless Temperature and Humidity Sensor	Wireless 1/2-Gang Thermocouple Sensor - Type K	Wireless 1/2-Gang Thermocouple Sensor - Type T
Input Power	2 x 1.5V AA batteries	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
Battery Life	Not Applicable	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years
Temperature Measurement Range	-20°C ~ 55°C -4°F ~ 131°F	-40°C ~ 55°C -40°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-40°C ~ 375°C -40°F ~ 707°F	-40°C ~ 125°C -40°F ~ 257°F
Protection Class	Main Part IP40	Main Part IP65 External sensor IP65	Main Part IP65 External sensor IP65	Main Part IP65/67 External Sensor IP60	Main Part IP65/67 External Sensor IP60
Environment	Indoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-40°C ~ 55°C -40°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Dimension	112mm x 34mm x 17mm 4.41" x 1.34" x 0.7"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"
Weight	83.8g / 0.18lb	141g / 0.31lb	141g / 0.31lb	141g / 0.31lb	141g / 0.31lb

Sensors Accessories	WLRI-POE5	WLRI-POE12
Product Image	 WLRI-G12A WLRI-G12AH	 WLRI-G11A WLRI-G11AH
Description	PoE SPLITTER, Micro USB 5V	PoE SPLITTER, DC Connector 12V
Power	Input 48V DC/0.35A, Output 5V/2.4A	Input PoE 48V-55V, Output DC 12V, ≤13W
Standard	IEEE802.3af	IEEE802.3af
LED Indicator	Yellow PoE lamp	Yellow: PoE / Green: DC OUT
Dimension	68mm x 25mm x 25mm 2.68" x 0.98" x 0.98"	124mm x 28mm x 25mm 4.88" x 1.10" x 0.98"
Weight	0.05kg / 0.11lb	47g/0.10lb

PREDICTIVE MAINTENANCE



The implementation of our sensor Network for a Smart Building System can provide immediate cost savings with predictive maintenance. Devices can be installed on top of existing building infrastructure and no retrofitting or large-scale reconstruction of existing structures required.

Indoor Air Quality Sensors (IAQ)	AS-LT100PRO-W	Indoor Air Quality Sensors (IAQ)	WLRI-S41	WLRI-S24M	Vibration Sensors	WLRC-S19R WLRC-S19R2	WLRC-S19S WLRC-S19S2
Product Image		Product Image			Product Image		
Description	AeroSENSE Pro Touch IAQ Sensor - 8 in 1 device	Description	Wireless CO ₂ / Temperature/Humidity Sensor	Wireless PM2.5/ Temperature/Humidity Sensor M	Description	Wireless Vibration Sensor, Rolling Ball Type	Vibration Sensor, Spring Type
CO ₂ sensor	Range: 300-5000 ppm Accuracy: 3% / 40ppm	Input Power	DC Power Supply, DC12V/1A	DC Power Supply, DC12V/1A	Input Power	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
Temperature HTU21D	Range: -40°C - 90°C / -40°F - 194°F Accuracy: ±0.3°C	Battery Life	Not Applicable	Not Applicable	Battery Life	Up to 5 years	Up to 5 years
Humidity	Range: 0-99% Accuracy: 2%	Protection Class	Main Part IP20	Main Part IP20	Protection Class	Main Part IP65 External sensor IP65	Main Part IP65 External sensor IP65
Particle: Sensirion SPS30	Range: 0-1000 µg/m	Environment	Commercial / Outdoor	Commercial / Outdoor	Environment	Commercial / Outdoor	Commercial / Outdoor
Particle: Accuracy PM1 & PM2.5	0-100 ±10 µg/m, 100-1000 ±10%	Signal Range	Up to 500m/ 0.310 miles	Up to 500m/ 0.310 miles	Signal Range	Up to 500m/ 0.310 miles	Up to 500m/ 0.310 miles
Particle: Accuracy PM5 & PM10	0-100 ±25 µg/m, 100-1000 ±25%	Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
VOC: Sensirion SGP40	Range: 0-1000 / Accuracy: <±15	Dimension	111mm x 86mm x 42mm 4.37" x 3.38" x 1.61"	111mm x 86mm x 42mm 4.37" x 3.38" x 1.61"	Dimension	112mm x 34mm x 17mm 4.41" x 1.34" x 0.7"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"
Dimension	96 x 86 x 32 (mm) 3.78 x 3.38 x 1.26 (inch)						

Insuite Water Leak Detection



Monitoring high-rise residential buildings for water leaks from fan coil units, kitchen, laundry, and jacuzzi. Wireless LoRa transmission enabled devices are easy to install and monitor locally or remotely.

A single gateway can receive signal from 10 floors high of a multi-storied building making it most labor saving installation.

Swimming Pool Environmental



Swimming pools can be monitored for ambient temperature and humidity, the PH level of water, occupancy detection, pool water temperature, and water leak, etc.






Water circulating pumps are an important part of the swimming pool filtration system. Our wireless sensors monitor power consumption, high temperature, and excessive vibration of the pump ensures efficient operation and stops unpredicted downtime.





Mechanical Room Monitoring








Wireless devices can monitor mechanical rooms very efficiently for many conditions such as water leak, water high temperatures, equipment function, and efficiency, etc.

AHUs can now work efficiently with the right inlet and outlet temperature, and 3 phase current monitoring for the electric motor will reduce down time by giving valuable operational data.



Air Quality Sensors	WLRC-S49C	WLRC-S49E	WLRC-S50	WLRC-S51	WLRC-S52
Product Image					
Description	Atmospheric Air Pressure & Temperature Sensor	Total Volatile Organic Compounds (TVOC) Detection Sensor	Wireless NO (Nitric Oxide) Sensor	Wireless O ₃ (Ozone) Sensor	Wireless H ₂ S (Hydrogen Sulfide) Sensor
Input Power	2 sections of ER14505 lithium batteries	2 sections of ER14505 lithium batteries	DC Power Supply, DC12V	DC Power Supply, DC12V	DC Power Supply, DC12V
Battery Life	3 years	3 years	Not Applicable	Not Applicable	Not Applicable
Protection Class	Main Part IP65	Main Part IP65	Main Part IP65	Main Part IP65	Main Part IP65
Environment	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Dimension	88mm x 65mm x 19mm 3.46" x 2.56" x 0.75	88mm x 65mm x 19mm 3.46" x 2.56" x 0.75	112mm x 88.19mm x 32mm 4.41" x 3.47" x 1.26"	112mm x 88.19mm x 32mm 4.41" x 3.47" x 1.26"	112mm x 88.19mm x 32mm 4.41" x 3.47" x 1.26"

Air Quality Sensors	WLRC-S53	WLRC-S54	In-house Facility Sensors	WLRC-S59	WLRI-S61
Product Image					
Description	Wireless Nitrogen Oxides (NO ₂) Sensor	Wireless Sulfur Dioxide (SO ₂) Sensor		Noise Sensor for noise level detection from 30 to 130dB	Wireless Ultrasonic Distance Sensor with Temperature Sensor
Input Power	DC Power Supply, DC12V	DC Power Supply, DC12V		DC 12V adapter power supply	2 ER14505 lithium batteries (3.6 V, 2400 mAh / section) in parallel
Battery Life	Not Applicable	Not Applicable		Not Applicable	Up to 4.7 years
Protection Class	Main Part IP65	Main Part IP65		Main Part IP65	Main Part IP65
Environment	Commercial / Outdoor	Commercial / Outdoor		Commercial / Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles		Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F		-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Dimension	112mm x 88.19mm x 32mm 4.41" x 3.47" x 1.26"	112mm x 88.19mm x 32mm 4.41" x 3.47" x 1.26"		112mm x 88.19mm x 32mm 4.41" x 3.47" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.6" x 1.26"

Sensors	WLRI-S25	WLRC-S33	WLRC-D17/WLRC-D172	WLRC-PS1	WLRC-S31	Buttons	WLRI-EB1	WLRI-EB2
Product Image						Product Image		
Description	Wireless Occupancy/Light/Temperature Sensor	Wireless Asset/Activity Detection Sensor	Wireless Hall Type Open/Close Detection Sensor	Wireless Surface Mounted Parking Sensor	Accelerometer and Surface Temperature Sensor	Description	Wireless Emergency Button	Wireless Emergency Push Button
Input Power	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER18505 (3.6V 4000mAh/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	Input Power	2pcs 3.0V CR2450 button battery	2*AAA batteries
Battery Life	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years	Battery Life	Up to 5 years	Not Applicable
Protection Class	Main Part IP30	Main Part IP65	Main Part IP65 External Sensor IP67	Main Part IP67	Main Part IP65 External Sensor IP67	Environment	Indoor	Indoor
Environment	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	Dimension	57x35x15.2mm 2.24x1.38x0.60inch	81.7x81.7x14.3mm 3.22x3.22x0.56inch
Dimension	78mmx78.8mmx82.2mm 3.07" x 3.10" x 3.24"	112mmx65mmx32mm 4.41" x 2.56" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	150mmx150mmx 0mm 5.9 x 5.9 x 1.18inch	112mmx65mmx32mm 4.41" x 2.56" x 1.26"	Weight	45g / 0.1lb	280g / 0.62lb

Interfaces	WLRC-I11/WLRC-I112	WLRC-I12/WLRC-I122	WLRC-I14/WLRC-I142	WLRC-M11/WLRC-M112	WLRC-I122C
Product Image					
Description	Wireless Pulse Counter Interface	Wireless 0-10V ADC Sampling Interface	Wireless Dry Contact Interface	Wireless mA Current Meter Interface, 4~20mA	Wireless 4-20mA, 0-24V ADC, Dry Contact Interface
Input Power	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
Battery Life	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years
Protection Class	Main Part IP65 External Sensor IP65	Main Part IP65 External Sensor IP65	Main Part IP65	Main Part IP30	Main Part IP65
Environment	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Dimension	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"	112mm x 88mm x 32mm 4.41" x 3.47" x 1.26"

Output Devices	WLRC-IO3	WLRI-IRB1	WLRI-SR1	WLRI-V11
Product Image				
Description	Wireless Smart I/O Controller	Wireless IR Blaster	Multi-Function Annunciator	Wireless Valve Shut OFF Sensor
Input Power	DC 12V / 1A	DC Power Supply, DC12V/1A	DC Power Supply, DC12V/1A	DC Power Supply, DC12V/1A
Battery Life	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Protection Class	Not Applicable	Main Part IP30	Main Part IP20	IP43
Environment	Indoor	Commercial / Outdoor	Commercial / Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Dimension	166mm x 47mm x 20mm 6.53" x 1.85" x 0.80	Diameter - 106mm, Height - 30.5mm 4.17" / 1.20"	Φ85mm x 52mm Φ3.35" x 2.05"	153mm x 71mm x 128mm 6.023" x 2.79" x 5.05"

Adapters	WLRI-P11M	WLRC-A11
Product Image		
Description	Wireless Plug-and-Play Power Outlet with Consumption M	Wireless RS485 Adapter
Input Power	100-240VAC, 50/60Hz (Rated Working Power Supply)	2x 3.6V ER14505 AA lithium batteries (3.6V2400mah/section)
Battery Life	Not Applicable	Up to 5 years
Protection Class	Main Part IP20	Main Part IP65
Environment	Commercial/ Outdoor	Commercial / Outdoor
Signal Range	Up to 500m/0.310miles	Up to 500m/0.310miles
Operating Temperature	-20°C ~ 55°C -4°F ~ 131°F	-20°C ~ 55°C -4°F ~ 131°F
Dimension	95mm x 58mm x 42.5mm 3.74" x 2.28" x 1.67" (without plug part)	112mm x 65mm x 32mm 4.41" x 2.56" x 1.26"

IoT System Topology



WatchNET IoT Cloud Software & Mobile APP

- ✓ Around-the-clock monitoring
- ✓ Compatible with over 100 sensors & devices (LoRa & NB-IoT)
- ✓ Real-time status update
- ✓ Instant alerts and notifications
- ✓ Customizable dashboard & floor layouts with quick data visualization
- ✓ Manage data from one platform
- ✓ Intuitive report with accurate historical records
- ✓ Powerful eMAP - data visualization with actionable decisions
- ✓ Enhanced data logging
- ✓ Impressive web-based interface and mobile APP
- ✓ Powerful offline linkage feature enables the devices to act in critical scenarios, even if the smart suggestions and warnings
- ✓ Intelligent analytical engine can provide smart suggestions and warnings



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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