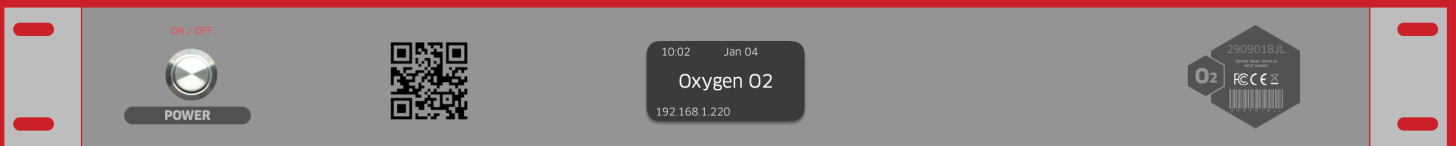


# O<sub>2</sub>

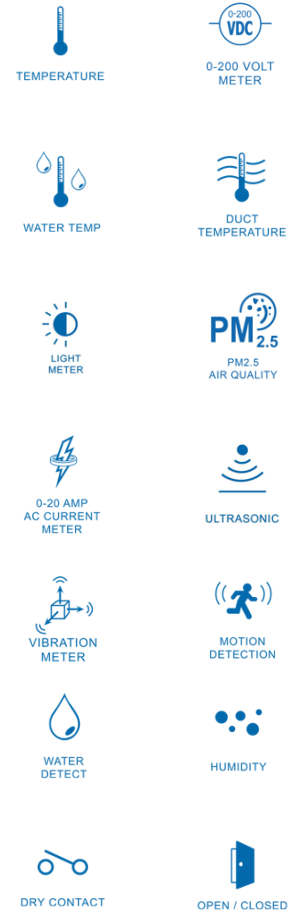
## Oxygen O2



Intelligent System to the new level of  
freedom and reliability

# OXYGEN O<sub>2</sub>

## INTERNET OF THINGS



### TECHNICAL SPECIFICATION

Power supply	13V DC ±10%   110-230V 50Hz/60Hz AC UL
Power safe	Li Battery 4 AH[optional], Auto-shut down super capacitor protection
Working memory	1GB   2GB   4GB
Storage	64GB class 3
Extended storage	256GB SSD [Optional]
Cloud	Amazon AWS Dedicated server
Out put control	<b>8x</b> 10A 220V   5A 30V DC, Dry contact out
Working Temperature	- 10°C up to 60°C
Connectivity	IEEE 802.11.b/g/n/ac wireless LAN 2.4GHz and 5GHz Bluetooth 4.2/BLE, faster Ethernet
Processor power	Quad-core processor, Cortex-A53 (ARMv8) 64-bit SoC @ 1.4GHz
Ports	<b>1x</b> HDMI 1.4, <b>4x</b> USB 2.0 ports
Input / Output	<b>8x</b> Dry contact out put Digital out <b>8x</b> Digital logical input - Isolated industrial <b>128x</b> Digital input expansion over i2C [optional]
Dimension [HxWxD]	46mm x 482mm x 90mm
External connections Protocols	I2C, 1Wire, TCPIP, Wifi, MODBUS[optional], Zigbee[optional] Zwave[optional], MQTT, GPIO, HDMI-Audio video, 433Mhz RF
Integration	amazon echo, Google Home, Apple Home kit, Grafana, HTML5, NODE JS, Python, MQTT, Node Red, Artificial Intelligence

### Monitoring Application

Exit Door monitoring  
Facility monitoring  
Temperature monitoring  
Sound level monitoring  
Environment monitoring  
Light intensity monitoring

CO2 monitoring  
Water detect  
Moisture level monitoring  
Altitude, Vibration  
GPS location sensing  
Atmosphere pressure sensing

### Control Application

Office Automation  
Home Automation  
Out door lighting  
Robotics, Automation  
Programmable logical Control  
Lighting/Motor control

IF THEN DO THIS  
Input vs Output control  
Timer control  
UAE Adan system  
Centralized audio player  
Timed Audio player

### MULTIPLE INTEGRATIONS



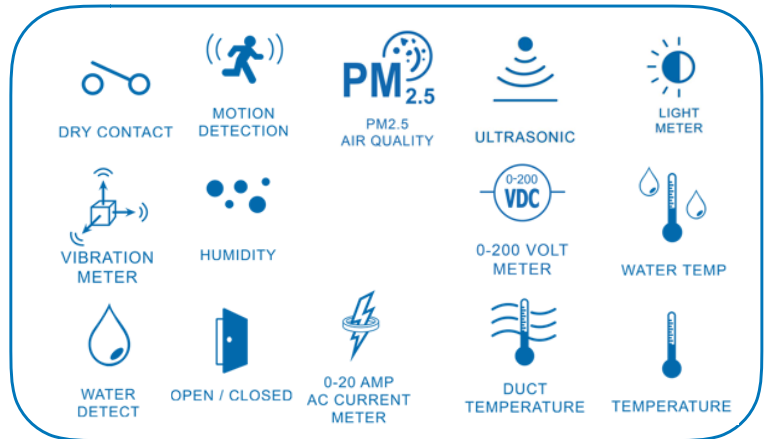
### CONTACT

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[oxygen\\_tvm@llct.net](mailto:oxygen_tvm@llct.net)

# OXYGEN O<sub>2</sub>

## AREA OF APPLICATION



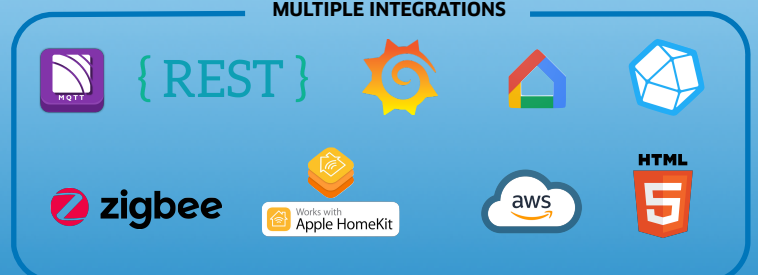
Application Area	Monitoring / Control
Shopping malls Hyper market/ Super market Retail chain Warehouses Commercial buildings	Fire Exit monitoring, Temperature on critical areas, Various location temperature measurements, Critical area safety, Entrance and exit with live snapshot, General area lighting control, Power status monitoring, Power consumption monitoring, Centralized monitoring and control, Monitor from anywhere, Critical information reporting, Shop attendance - Full featured Dash board for centralized monitoring
Residential building	Home devices control, Automations, Voice activated controls Amazon ALEXA, Google Home, Apple Home kit integration Unified control for all smart electronics devices Energy meters, Monitor your energy consumption
Gardening	Automatic water irrigation, Environmental monitoring Monitoring and Fully automated control, Valve control
Villa complex Airport , border security	Perimeter monitoring with laser lights / IR waves, Snapshot sending with IP Camera with 0.2 sec delay Messenger integration and LIVE update, Instant Photo Remote alarm, Visual and audible alarm, ultra fast response
Food vehicle	Live temperature monitoring, Centralized monitoring and control
Parking Building	<b>CO2</b> Monitoring, Environmental monitoring Temperature Humidity, CO, CO2, Light intensity, Air quality Lighting control, Exhaust air control, entry and exit vehicle snapshot from 4 /6 angle for safety and proof. Any custom solution.
Freezers	Centralized freezer temperature monitoring and control
Other	Any general purpose automation, timed controls, Automatic lighting

### SENSORS

Contact Sensor  
Temperature sensor  
Humidity sensor  
Carbon monoxide sensor  
Vibration sensor  
Water detect Sensor

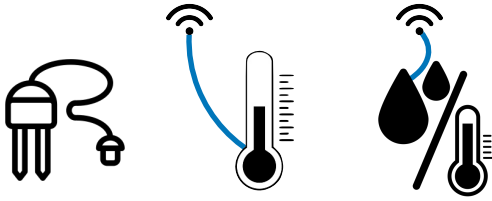
Current Sensor  
Energy meter  
Voltage meter  
Motion detector  
Sound level sensor  
GPS sensors

### MULTIPLE INTEGRATIONS



**ENVI MONITORING**

Temperature| Humidity | moisture etc



**MOTION DETECTION**

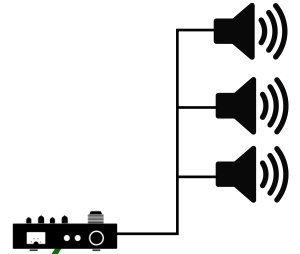
Human body movement detection | General movement



LIGHT SENSOR

**AUDIO SERVER**

As a multi-zone audio player | Fully automated audio/video source



**STATE MONITORING**

Exit doors / Door sensors - Door state monitoring



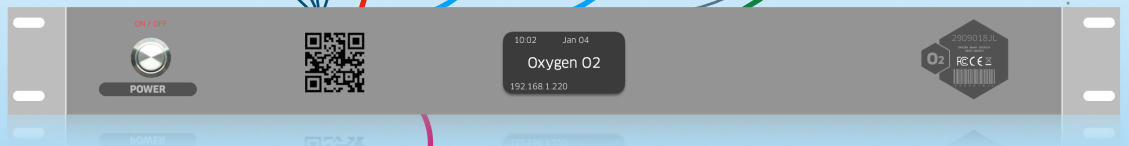
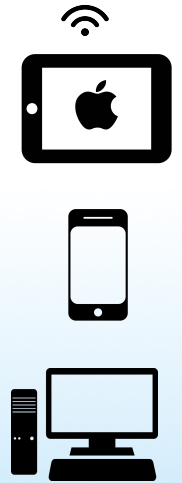
**ENERGY MONITORING**

Voltage, current, power monitoring

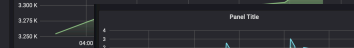
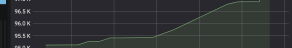


**INTERNET DATA**

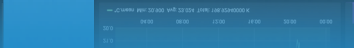
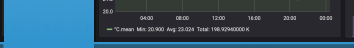
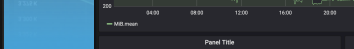
Internet data analysis | live reporting | news feeds | messengers | Social media



WORLD WIDE COVID		INDIA COVID		UAE COVID	
TOTAL CONFIRMED	95810	TOTAL CONFIRMED	29	TOTAL CONFIRMED	28
CURRENT	39519	CURRENT	26	CURRENT	23
DEATH	3297	DEATH	0	DEATH	0
RECOVERED	53016	RECOVERED	3	RECOVERED	5



Time	Temp	Humidity	Moisture	Power	Current	Voltage
2021-01-04 10:00	23.5	65	80	1200	15	230
2021-01-04 10:05	23.8	66	81	1210	15	230
2021-01-04 10:10	24.1	67	82	1220	15	230
2021-01-04 10:15	24.4	68	83	1230	15	230
2021-01-04 10:20	24.7	69	84	1240	15	230
2021-01-04 10:25	25.0	70	85	1250	15	230
2021-01-04 10:30	25.3	71	86	1260	15	230
2021-01-04 10:35	25.6	72	87	1270	15	230
2021-01-04 10:40	25.9	73	88	1280	15	230
2021-01-04 10:45	26.2	74	89	1290	15	230
2021-01-04 10:50	26.5	75	90	1300	15	230
2021-01-04 10:55	26.8	76	91	1310	15	230
2021-01-04 11:00	27.1	77	92	1320	15	230
2021-01-04 11:05	27.4	78	93	1330	15	230
2021-01-04 11:10	27.7	79	94	1340	15	230
2021-01-04 11:15	28.0	80	95	1350	15	230
2021-01-04 11:20	28.3	81	96	1360	15	230
2021-01-04 11:25	28.6	82	97	1370	15	230
2021-01-04 11:30	28.9	83	98	1380	15	230
2021-01-04 11:35	29.2	84	99	1390	15	230
2021-01-04 11:40	29.5	85	100	1400	15	230
2021-01-04 11:45	29.8	86	101	1410	15	230
2021-01-04 11:50	30.1	87	102	1420	15	230
2021-01-04 11:55	30.4	88	103	1430	15	230
2021-01-04 12:00	30.7	89	104	1440	15	230



Report ARM SET R D

Bed room1 24 °C

Bed room 2

Passage 2

Room Temp

18 °C SAVE

Bed A/C

Living 1

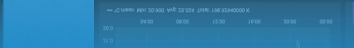
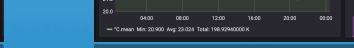
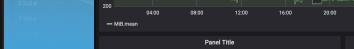
Living 2

Passage 1 22 °C

Room Temp

16 °C SAVE

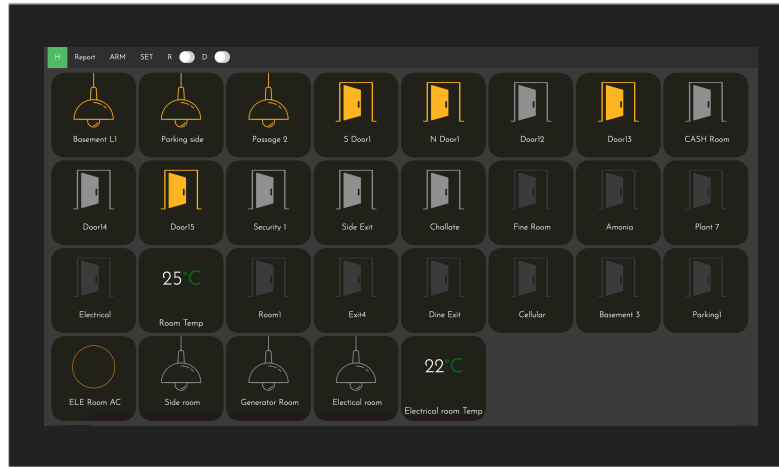
Living A/C



# EXIT DOOR MONITORING

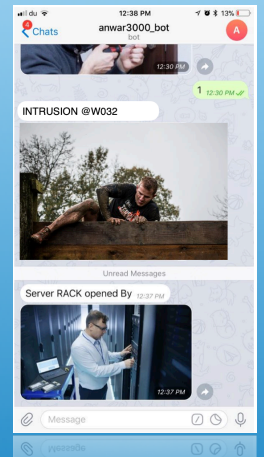
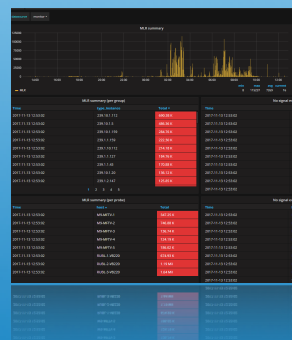
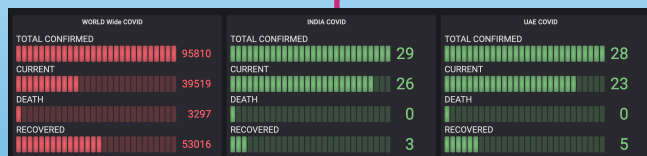
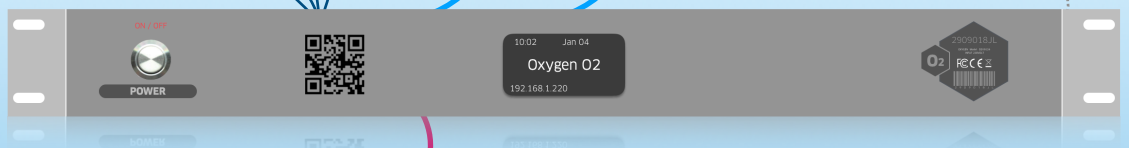
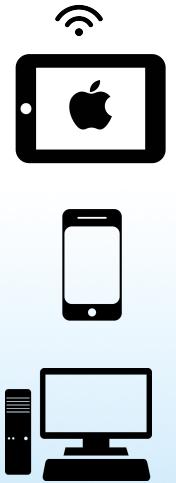
## DOOR MONITORING

Exit doors / Door sensors -  
 Door state monitoring  
 LIVE Mobile push  
 Photo snapshot to messenger  
 Telegram Integration  
 Live Photo integration  
 Advanced IOT technology  
 LIVE



## INTERNET DATA

Internet data analysis | live reporting | news feeds | messengers | Social media



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