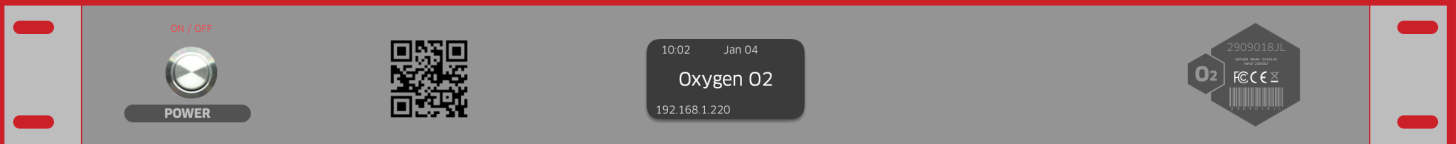


# O<sub>2</sub>

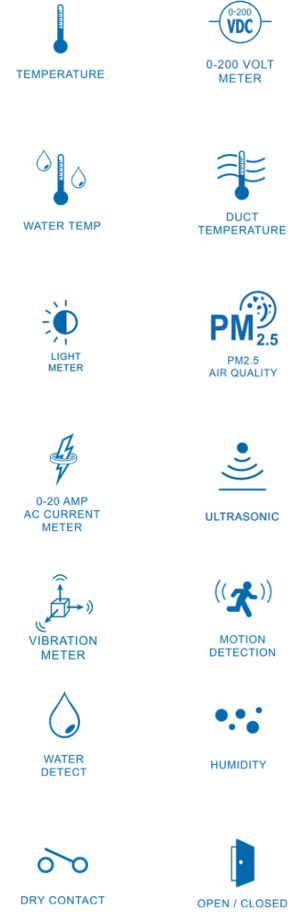
## Oxygen O2



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

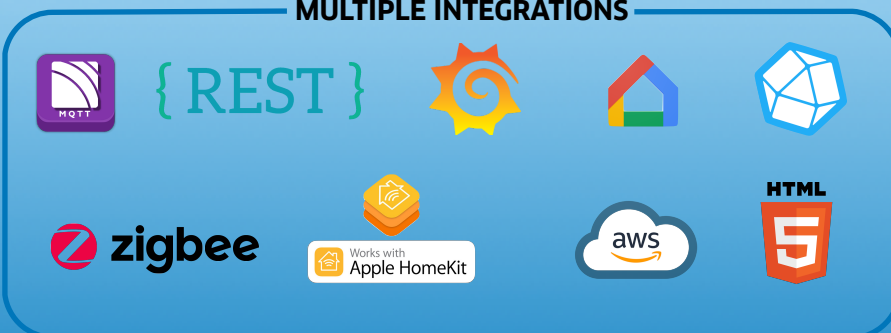
CO2 monitoring  
Water detect  
Moisture level monitoring  
Altitude, Vibration  
GPS location sensing  
Atmosphere pressure sensing

### 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

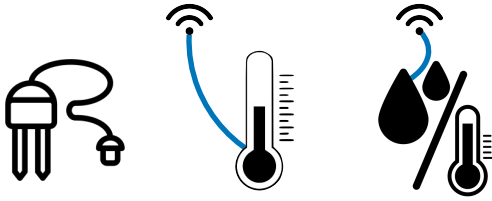
LLCT, PO Box 299421  
AL Nisf Building, Airport Road  
Dubai, UAE [www.llct.net/oxygen](http://www.llct.net/oxygen)  
(+971) 508031282 | [oxygen@llct.net](mailto:oxygen@llct.net)

LLCT, KINFRA Park [Branch]  
Thiruvanthapuram, Kerala, INDIA  
[oxygen\\_tvm@llct.net](mailto:oxygen_tvm@llct.net)



**ENVI MONITORING**

Temperature| Humidity | moisture etc



**MOTION DETECTION**

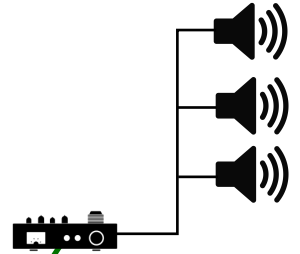
Human body movement detection | General movement



LIGHT SENSOR

**AUDIO SERVER**

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



**STATE MONITORING**

Exit doors / Door sensors - Door state monitoring



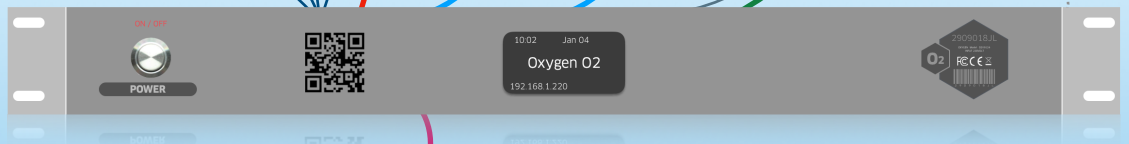
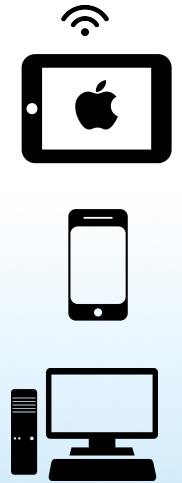
**ENERGY MONITORING**

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



Report ARM SET R D

Bed room1 24 °C

Bed room2

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

Time	Temp	Humidity	Moisture	Light	Motion	Power
08:00	24.5	65	10	100	0	1200
09:00	25.0	68	12	100	0	1150
10:00	25.5	70	15	100	0	1100
11:00	26.0	72	18	100	0	1050
12:00	26.5	75	20	100	0	1000
13:00	27.0	78	22	100	0	950
14:00	27.5	80	25	100	0	900
15:00	28.0	82	28	100	0	850
16:00	28.5	85	30	100	0	800
17:00	29.0	88	32	100	0	750
18:00	29.5	90	35	100	0	700
19:00	30.0	92	38	100	0	650
20:00	30.5	95	40	100	0	600
21:00	31.0	98	42	100	0	550
22:00	31.5	100	45	100	0	500
23:00	32.0	100	48	100	0	450
00:00	32.5	100	50	100	0	400
01:00	33.0	100	52	100	0	350
02:00	33.5	100	55	100	0	300
03:00	34.0	100	58	100	0	250
04:00	34.5	100	60	100	0	200
05:00	35.0	100	62	100	0	150
06:00	35.5	100	65	100	0	100
07:00	36.0	100	68	100	0	50