

PRODUCT BROCHURE

INNOVATING SPACES THAT HEAL





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2019-2025

+50

SHENZHEN

+20



Founded

Team

Location

Installation

About Us.

Founded in 2019 in Shenzhen, ICARELIFE delivers innovative modular operating theater (MOT) solutions. With expertise in air treatment and hygiene technologies, including leadership in PAPR solutions during COVID-19, we focus on creating clean and efficient healthcare environments.

Our key products—hermetic doors, Corian scrub sinks, and surgical control panels—set new standards in hygiene and design. Expanding into wall panels, embedded cabinets, laminar airflow ceilings, and HVAC systems, we provide a complete modular OT ecosystem.

Partnering with MOT and medical cleanroom contractors, we offer cost-effective, high-quality solutions through China's advanced supply chain. Driven by innovation, we're transforming healthcare spaces worldwide.



Vision & Mission

VISION

To be the global leader in empowering modular OT and medical cleanroom contractors, transforming healthcare spaces through innovation, efficiency, and design.

MISISON

To continuously innovate and provide integrated, cost-effective solutions that enhance hygiene, improve efficiency, and elevate patient care—helping healthcare providers create safe, efficient, and healing environments.



Our Philosophy.

Deliver exceptional value to customers by combining cost efficiency, quality innovation, and aesthetic design, supported by a professional and passionate team dedicated to excellence.



Our Values.

CREATE VALUE CONTINUOUSLY

Strive to bring cost-effective, innovative solutions that deliver measurable benefits.

LOVE LIFE, LEAD WITH PASSION

A positive and passionate mindset drives everything we do

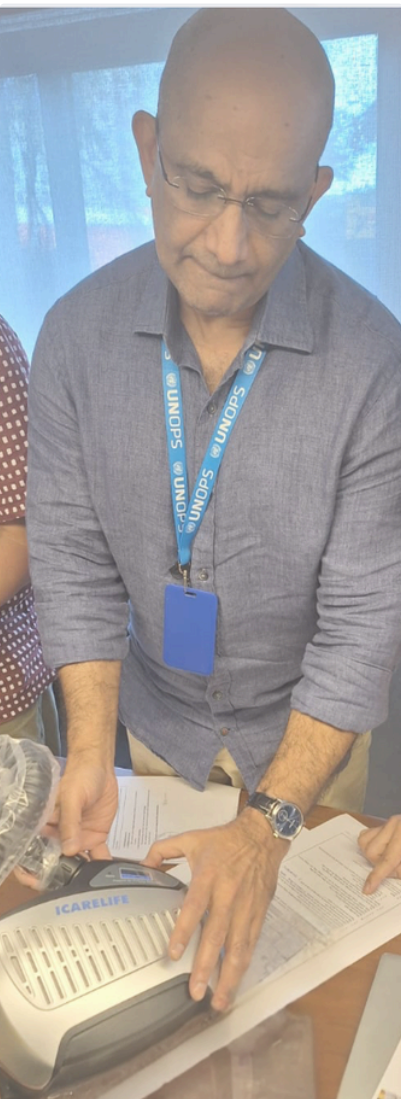
INTEGRITY AND RESPECT

Honesty and fairness define our relationships.

RELENTLESS QUALITY

We never compromise on excellence.

At ICARELIFE, we believe in creating value by combining innovation and efficiency, embracing life with passion, and maintaining the highest standards of integrity and quality.

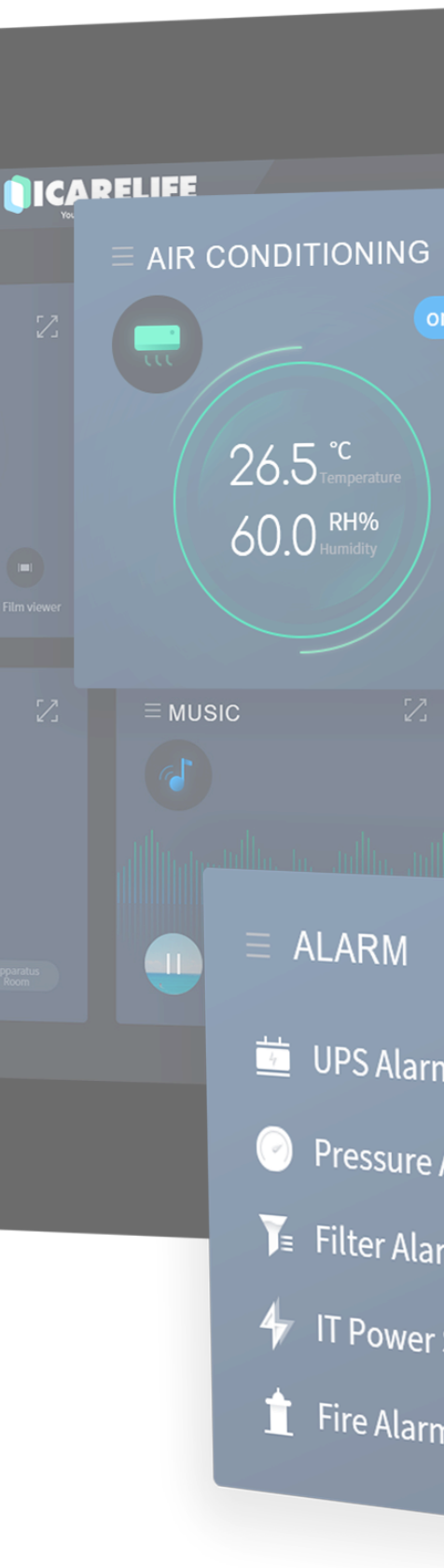


CUSTOMER SUCCESS STORIES

ICARELIFE has a proven track record of success, including market leadership in PAPR solutions in ASEAN and Europe during the pandemic, trusted by **UNOPS (United Nations Office for Project Services.)** to deliver critical hygiene solutions under challenging conditions.

INDUSTRY POSITION

ICARELIFE is an innovator and competitive player in the modular OT market, addressing gaps in contractor support and leveraging China's unmatched supply chain efficiency. By offering high-quality, cost-effective solutions, we empower contractors to excel in delivering world-class healthcare environments.



PRODUCT DESCRIPTION	01
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SURGICAL CONTROL PANEL

ICARELIFE Operating room control panels manage lighting, operation lamps, negatoscope, and provide real-time data on temperature, humidity, and pressure. They can connect to external sensors and offer features like communication with gas panels, automation systems, hands-free phone functionality, and integrated music systems.



Features

32" Capacitive Touch Screen LCD monitor

Operating Room Facility Control: Light 1, Light 2, Shadowless Light, Led light, Medical Door, X-ray View, Writing Desk.etc (on/off)

Environment Data Display & Control: Tempe, Humidity and HVAC data. etc. (through Modbus RS-485 protocol)

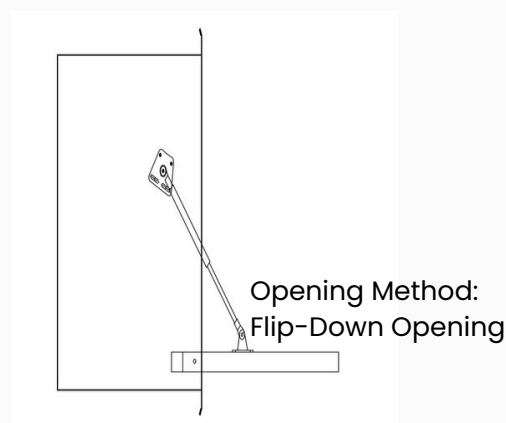
Medical Gas Display & Alarm

IT Power Supply Alarm, UPS Alarm, Fire Alarm, Filter Alarm, Room Pressure Alarm

Other Function: Music (Remote, Local and Bluetooth) Phone and Video Call



Panel Glass Size : 813 (w)*541(h)mm
 Panel Box Size: 821(w)*549(h)*200(d)mm
 Wall Opening Size : 826(w)*554(h)*200(d)mm
 Overall around : 880(w)*605(h)*200(d)mm



Material: 304 Stainless Steel Flange Edge + Frameless Design

SURGICAL CONTROL PANEL

Data Sheet

DISPLAY	
Resolution	1920*1080
Size	32"and Custom Size
Touchscreen	Capacitive touchscreen supports 10-point touch, drag, and swipe gestures
INPUTS	
Temperature	AI1 - Temperature channel, 0-10V vs 0-50.0°C
Humidity	AI2 - Humidity channel, 0-10V vs to 0-100.0%
Room pressure difference	AI3 - Pressure difference channel, 0-10V vs 0-100Pa
System operation	DI1 - System operation signal input, open = stop, closed = run
System alarm	DI2 - System failure signal input, open = normal, closed = alarm
Filter clogging alarm	DI3 - Filter blockage signal input, open = normal, closed = alarm
IT power supply alarm	DI4 - IT power alarm signal input, open = normal, closed = alarm
Automatic door interlock	DI5 - Automatic door signal input, open = none, closed = open
Temperature setpoint output	AO1 - Temperature setting output, 0-10V
Humidity setpoint output	AO2 - Humidity setting output, 0-10V
OUTPUT	
Lighting 1	DO1 - Lighting Relay Channel 1
Lighting 2	DO2 - Lighting Relay Channel 2
Exhaust fan	DO3 - Exhaust fan Relay Channel
Operating lamp	DO4 - Shadowless light Relay Channel
Negastoscope	DO5 - Observation light Relay Channel
Writing Desk	DO6 - Surgical light Relay Channel
In surgery singal	DO7 - Writing desk Relay Channel
Automatic door	DO8 - Automatic door Relay Channel
Reserve	DO9 - Reserve Relay Channel
Air conditioning communication port	RS485 communication port for air conditioning unit monitoring
Gas communication port	RS485 communication port for medical gas monitoring
Temperature/humidity settings	2 analog channels (AO)
Music	3 channels (Local/Remot/Blooth)
Alarm	Buzzer (for air conditioning and gas alarms)
Alarm mute	Silence button
Call funciton	Compatible with a call system for nurse station communication
Phone function	Telephone functionality for receiving or making calls, including one-touch dialing
Music function	Supports 3 music playback modes: remote (background music), local, and Bluetooth
MAIN BOARD	
System	Android V8.1
Memory	2G/4G
Hard drive	16G/32G/64G/128G
Built-in speaker	Available (Phone & Nurse Call)
Built-in microphone	Available (Phone & Nurse Call)
Short press touch power button	On(Blue Light) / Off(Red Light)
Long press touch power button	Enter into emergency mode withLight (DO1-DO8) on in red/blue LED flashing
FUNCTION	
Surgery time	Surgery countdown timer
Anesthesia time	Anesthesia countdown timer
Time	Clock and time function
Air conditioning monitoring	Monitoring and control of air conditioning operation status
Telephone system	Telephone system functionality
Call system	Call system functionality
Music system	Music system functionality
Gas system	Monitoring of medical gas status
Control screen function	Control of lighting and other functions
Communication protocol	Supports Modbus RTU / Modbus TCP communication protocols for reading air conditioning unit information or communicating with a host computer
Front Panel Material	DIN4301 (2mm Stainless Steel)

ICARELIFE

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