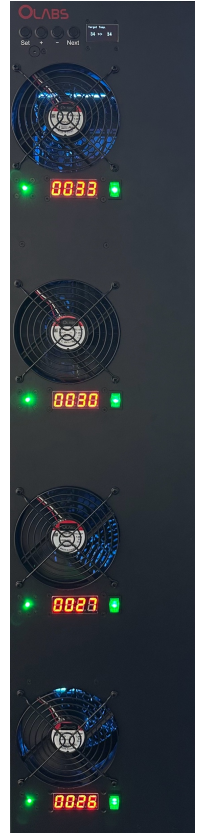


Olabs intelliFlow™

Olabs door-mounted rack cooling fan unit is an intelligent thermal management solution designed to optimize airflow within the cabinet to improve heat extraction, prevent local overheating, extend the lifespan of equipment and reduce overall cooling energy consumption.

With automated full range monitoring to collect real-time temperature data for different temperature zones within the cabinet by thermal camera, this fan unit intelligently adapts to temperature fluctuations by adjusting individual fan speeds and air flows at different zones, which will reduce overall energy consumption while ensuring consistent cooling performance. 4-fan and 7-fan versions are available to fit in different heights of cabinet in the market.



KEY FEATURES

- **Smart Temperature Control** – Using thermal camera to measure real-time temperature data at different zones within the cabinet for automatic fan speed adjustment
- **Real Rotary Speed Control** – Different from common indirect fan speed control by adjusting duty cycle of a fan, fans with speed feedback are adopted to ensure direct control of fan speed
- **Optimized Cooling** – Benefit from real rotary speed control, true synchronization of intake and output air flow is achieved to maximize laminar flow effect and cooling performance
- **Low Noise Operation** – Advanced ball bearing fans provide powerful cooling with minimal noise
- **Customizable Settings** – Manual target temperature setting, individual fan on/off and alarm warning for enhanced user experience
- **Easy Installation** – Designed to easily mount onto cabinet mesh door with common tools, or fully integrated rack-door design are available.
- **Quick Check** – Status LED is equipped for each fan, normal working or malfunction of specific fan can be noticed immediately by just one glance

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SPECIFICATIONS

	MASTER SMART FAN UNIT		SMART FAN UNIT (SLAVE)		SMART FAN UNIT (SLAVE)	
Model Number	OIF-R4M-1	OIF-R7M-1	OIF-F4S-1	OIF-F7S-1	OIF-R4S-1	OIF-R7S-1
No. of Fan	4	7	4	7	4	7
Max Airflow (approx.)	440 CFM	770 CFM	440 CFM	770 CFM	440 CFM	770 CFM
Individual Fan (on/off)	Yes	Yes	Yes	Yes	Yes	Yes
Thermal Camera	Yes		No		No	
Installation	Rear door outside		Front door outside		Rear door outside	
Airflow	Extract airflow		Intake airflow		Extract airflow	
Environment	5-70°C	5-70°C	5-70°C	5-70°C	5-70°C	5-70°C
Casing Color	Black	Black	Black	Black	Black	Black
Unit Dimensions (LxWxH)	229x68x944mm	252x68x1850mm	179x68x944mm	160x50x1850mm	179x68x944mm	160x50x1850mm
Unit Weight (approx.)	4.7 kg	9.7kg	3.5 kg	5.5kg	3.5 kg	5.5kg
Power Input	100-240VAC/50-60Hz					
Power Consumption	45W	60W	24W	39W	24W	39W
Compliance	CE, RoHS, REACH					



Master Smart Fan Unit (OIF-R4M-1)
Rear door 4 fans – extract airflow



Smart Fan Unit – Slave (OIF-F4S-1)
Front door 4 fans – intake airflow



Master Smart Fan Unit (OIF-R7M-1)
Rear door 7 fans – extract airflow



Smart Fan Unit – Slave (OIF-F7S-1)
Front door 7 fans – intake airflow

Information, specifications and product offerings in this leaflet are subject to change without notice.
Product photos and drawings are provided for the convenience of our customers and for reference only.