



Make Edge Computing Simple, Affordable, Resilient.

Intelligent Micro Data Center

Solution at a Glance

The Intelligent Micro Data Center packages power, cooling, security and monitoring into a single enclosure that eliminates the need for an IT room, deploys quickly, and can save up to 50% CAPEX!

Built for commercial environments like banking, schools, offices, hospitals and retail space, Deliver seamless customer experiences and optimized business operations at the edge of your network with EcoStruxure Micro Data Center by Schneider Electric™



Applications



Retail



Finance



Healthcare



Education



Industrial

Benefits

- Simply deployment in weeks
- Cost effective up to 50% less than typical Data Center build
- Securely manage from anywhere

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Life Is On

Schneider
Electric

System Details

Intelligent Micro Data Center (iMDC) is an easy-to-deploy series of Edge Data Center that reduce complexity in your IT infrastructure, so that you can be proactive and stay focused on what matters most. Deploy iMDC in IT closets and edge environments for reliable and scalable solutions on a trusted platform.

Rack Enclosure

Contained enclosure with glass front door and metal rear door(s) to maximum airflow efficiency.

- IP20 (Standard)
- IP54 (Upgrade)

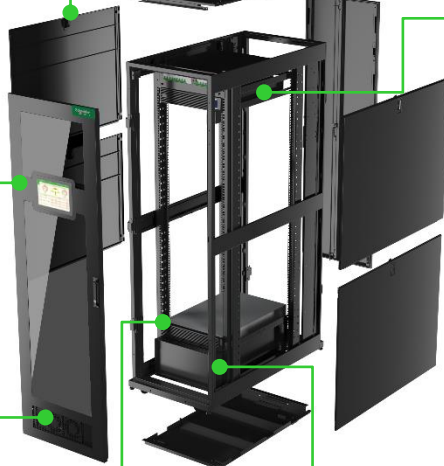


Top Emergency Ventilation



Management

LCD display for system monitoring and management



Power Distribution System

Power distribution within the Rack, from main power source to UPS, cooling unit and distributed to critical equipment with market leading circuit breaker



- Basic rPDU (Standard)
- Meter & Switch rPDU (Upgrade)



Front Emergency Fan



UPS and battery

Ensure uninterrupted power supply to critical equipment

- UPS with VRLA battery (Standard)
- UPS with Li-ion Battery (Upgrade)



Rack-mount cooling unit

7x24 continuous cooling for critical equipment and system

- Split-type (Standard)
- Integrated (Upgrade)



Specifications

Pre-configured standard package



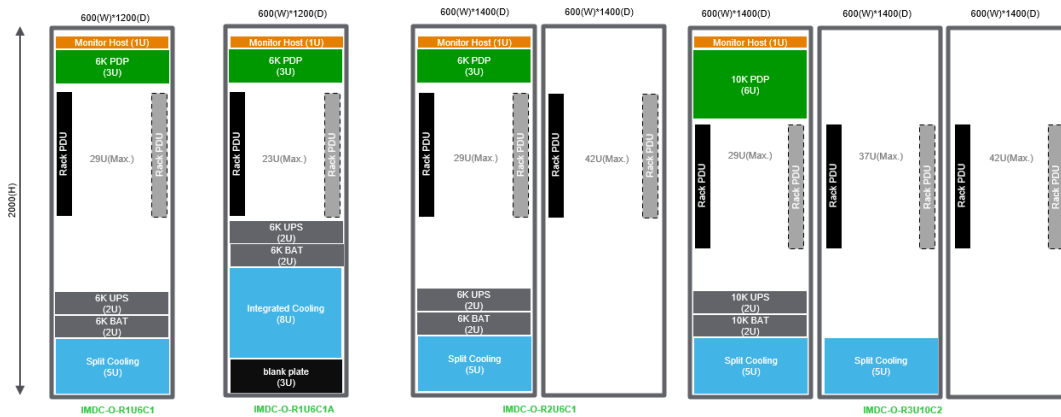
	IMDC-O-R1U6C1	IMDC-O-R1U6C1A	IMDC-O-R2U6C1	IMDC-O-R3U10C2
System Capacity	3kW	3kW	3kW	7kW
Enclosure	One Rack	One Rack	Two Racks	Three Racks
Dimension WxDxH (mm)	600 x 1200 x 2000	600 x 1200 x 2000	1200 x 1400 x 2000	1800 x 1400 x 2000
Enclosure	Contained / IP20			
Available U-space (max.)	29U	23U	71U	108U
Power				
UPS Capacity	6kVA	6kVA	6kVA	10kVA
Additional runtime	Up to 4 battery pack			
Power Input	220V/230V/240V; 50Hz/60Hz			
Rack PDU	PDU, Basic, Zero U, 32A, 230V, (20)C13 & (4)C19, IEC309			
Cooling				
Cooling Capacity	3.5kW	3.5kW	3.5kW	7kW
Active Cooling	Split DX	Integrated DX	Split DX	Split DX
Refrigerant	R410A			
Ventilation	Includes Emergency Fans			
Security				
Physical Security	Standard Lock, Intrusion Detection, Keycard Access			
Environmental Sensing	T/H sensor, Smoke sensor, Leak sensor			
Management				
Monitoring	10" HMI Local Display & Alarm Beacon			
Deployment	Factory integrated UPS, Power distribution and management kit, on-site assembly of cooling system			
Warranty	1-year warranty at system level			

System Details

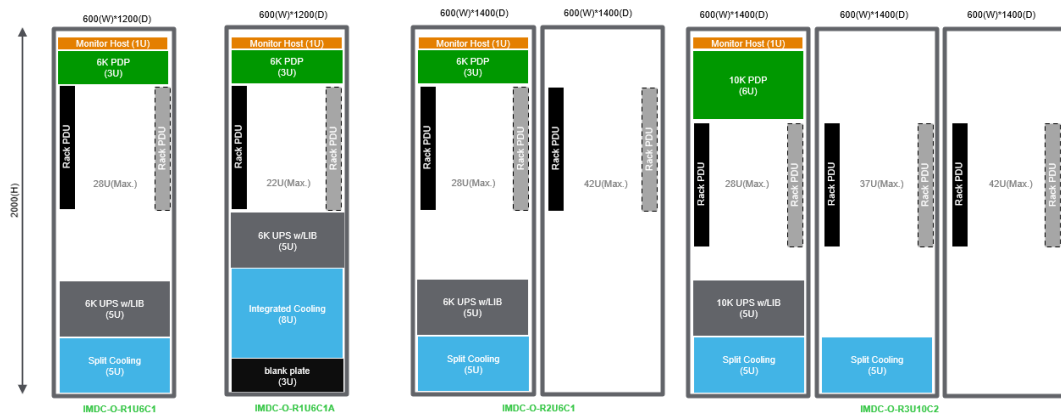
Customizable with standard components with the help of a registered partner

Rack View

Rack layout for basic UPS with VRLA battery

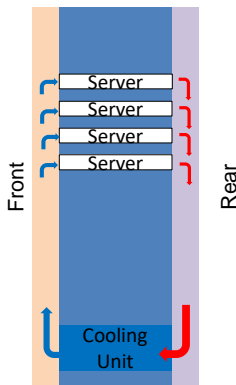


Rack layout for UPS with Li-ion battery (Upgrade option)



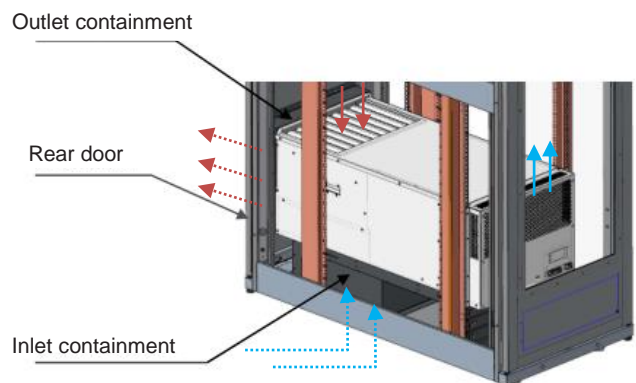
Cooling System

Air flow of split cooling unit



Airflow Rack Side View

Air flow of integrated cooling unit



System Details

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	Standard option	Upgradable options
Base System Pre-installed at factory		
Rack Enclosure	Single 42U 600mm (W) Rack, IP20	600/800mm (W) Extension Rack (up to 3), IP20 600/800mm (W) Extension Rack (up to 3), IP54
Power Distribution Panel	63A SPN x 1 Input; 32A x 4 Output	32A 3PN x 1 Input; 32A x 4 Output
UPS	6KVA UPS with VRLA battery	6KVA UPS with VRLA battery / Li-ion Battery 10kVA UPS with VRLA battery / Li-ion Battery
Cooling	3.5kW Split DX cooling system 3.5kW Integrated DX cooling system	Up to 12.5kW Split DX cooling system
Rack PDU	PDU, Basic, Zero U, 16A, 230V, (20)C13 & (4)C19, IEC309	PDU, Metered, Zero U, 16A, 230V, (20)C13 & (4)C19, IEC309 PDU, Switched, Zero U, 16A, 230V, (20)C13 & (4)C19, IEC309
Management	10" HMI Display with monitoring kit	EcoStruxure IT integration
Environmental Sensing	T/H sensor, Smoke sensor, Leak sensor	Additional sensors
Physical Security	Mechanical Lock	Access card / Fingerprint
Fire Suppression	Optional	Optional

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