

Intelligent Rack Cooling



CITEC Rack Cooling series is a pre-assembled, self-contained integrated solution with key Data Center equipment's installed within a compact rack unit which includes precision cooling unit, power management unit, environment monitoring system, UPS and power distribution unit that cater for Edge applications.

Precision cooling unit is available both integrated and split type to suits various user needs. UPS, PDU, finger print or passcode locking system, CCTV, smoke detector, alarm siren and integrated condensate water heater are available as option.

COOLING FOR THE EDGE

- All-in-one pre-configured and standalone solution
- Fast deployment with “Plug and Play” concept
- Lower implementation cost
- User friendly colour touch screen display
- High security with individual locking system
- No raised floor needed
- Monitor through BMS system via RS485 ModBus RTU or ModBus TCP/IP

TARGET APPLICATION

- Small and medium size enterprise server rooms
- Telco hubs
- Hospitals and universities
- Manufacturing and retails
- Branch offices of government and financial institutions

Features



POWER MANAGEMENT UNIT

- Integrated input and output power distribution and management to precision cooling unit, UPS and rack PDU with surge protection device.



HIGH SECURITY LOCKING SYSTEM

- Key lock and card access
- Finger print and passcode
*available as option



UPS

- High performance redundancy 3kVA or 6kVA UPS.
*available as option



Low Network Latency
Increasing Speed and Performance



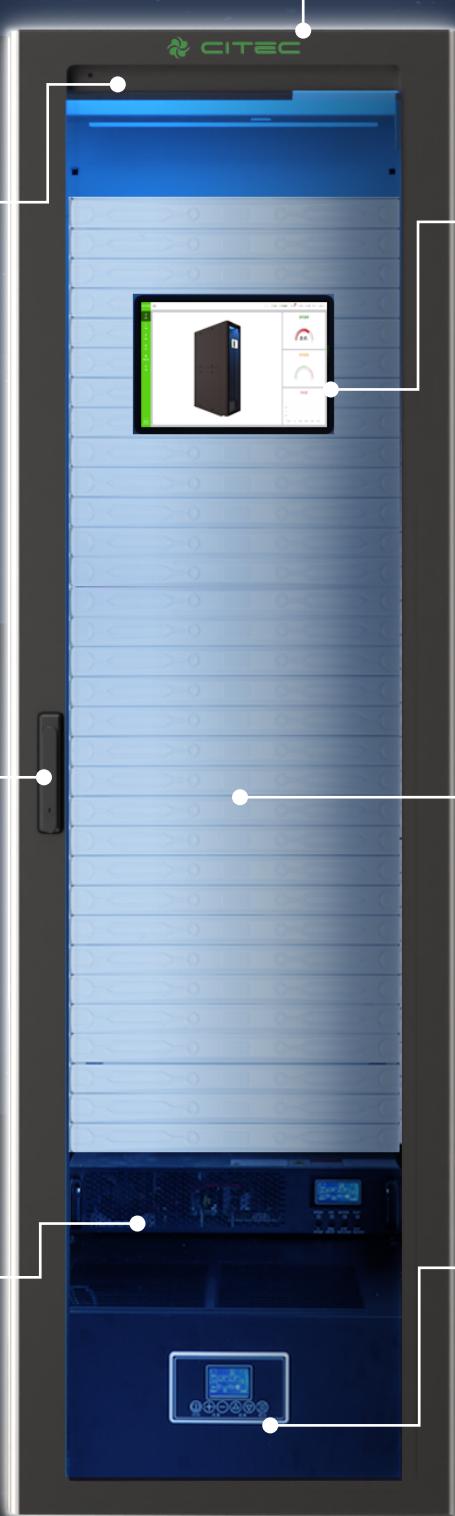
Compliance To
Data Sovereignty



Reduce Bandwidth Cost



EMERGENCY VENTILATION



TOUCH SCREEN DISPLAY PANEL

- Integrated with intelligent environment monitoring and power management unit to manage operation of key system measurables.
- Easy access and monitoring with 10.1" Colour Touch Screen display.



IT RACK SYSTEM

- 19" 42U fully enclosed rack complied to industry standard EIA-310-D.
- Durable Rack with withstand static load of 1600kg.
- Fully enclosed IT Rack with Tempered Glass.



PRECISION COOLING UNIT

- High efficiency direct expansion cooling system using BLDC inverter compressor with 4kW cooling.
*8kW cooling unit available as option
- Occupies 5U for Split Heat Rejection Unit and 9U for Integrated Heat Rejection Unit.



System Availability

Technical Specification

Model	CM-S (Split Unit)	CM-I (Integrated Unit)
Rack Size (WxDxH)	600x1200x2000(mm)	600x1400x2000(mm)
Usable Space (with UPS)	31U	25U
Cooling System	Direct Expansion Air Cooled with R410A Refrigerant 4kW or 8kW	
Condenser Unit	Split	Integrated
Display Panel	10.1" Colour Touch Screen	
Centralized Monitoring & Management System	Built-in dynamic environment monitoring host, temperature and humidity, power distribution / UPS /air conditioning monitoring	
UPS	3kVA or 6kVA	
Power Input	40A/1P, 220-230V	
Power Frequency	50 & 60Hz	
PDU	16A input, 12xC13 + 4xC19, 2 Sets	
Intelligent LED lighting System	Green (Normal), Blue (Pre Alert), RED (Alarm)	
Emergency Ventilation Fans	Yes	
Emergency Door Release	Yes	
Net Weight	330kgs	