

CMDC

24 - 33U Micro Data Centre (MDC)

Suggested applications: Edge data centres, AI & IoT, IT rooms and non-climate controlled environments

Available with either 24Us or 33Us, the compact micro modular data centre by CertaUPS is a fully integrated, customisable and autonomous unit incorporating; the rack, UPS, PDU, self contained cooling with no need for external pipework, monitoring, security and software.

Fully expandable, the Micro Data Centre provides the capacity to add a data centre into the most restricted of spaces in both non-climate controlled environments and IT rooms.

The plug and play ability makes for an easy and cost effective data centre solution ideal for mission critical SMB, branches and edge computing.

TECHNOLOGY: 33U, 6kVA

APPLICATION: Edge Data Centres

OBJECTIVE: To meet the specific requirements of real world projects

Key Features

- Ideal for non-climate controlled rooms
- Integrated access control & camera monitoring portal
- Lower Total Cost of Ownership (TCO)
- Self contained, top mount precision cooling unit with no external pipes required
- Self contained DCIM
- Physically secure with integrated access control

1. Top mount air-conditioning unit
2. 10" touch screen control panel
3. 33U rack
4. Electromagnetic locking front door
5. PDU
6. Security and monitoring



*Image shows 33U CMDC

CMDC 24 - 33U

Product Specification

info@certaups.com 03333 130251
www.CertaUPS.com
 CertaUPS, Roitherside Road, Sheffield, S21 4HL

MODEL	CMDC-24U	CMDC-33U
Dimensions (WxDxH)	600x1100x1590	600x1100x2000
Weight (Kg)	190	374
SYSTEM RATINGS		
Min/Max IT equipment load (kW)	2.5	3.5
Input power	230V/1p/50-60Hz	
Noise rating	52dBA (rating condition)	
Available RMU	19	26
UPS		
Type	Internal rack	
Max power rating	3kVA	6kVA
Input ratings	176-276VAC (100% load)/120-276VAC (50% load) 50/60Hz auto-sensing, 0.9 power factor	176-276VAC (100% load)/120-264VAC (50% load) 50/60Hz auto-sensing, 1.0 power factor
RMU	2	3
PDU		
Ratings	1 basic PDU: 6xC13 : 2xC19	1 basic PDU: 12xC13 : 4xC19
Mounting	0U (mounts in rear of enclosure)	
ENCLOSURE		
IP Rating	IP40	
Load rating(Kg)	Max static loading: 1500	
Internal Lighting	Blue LED for cold aisle; red LED for hot aisle	
Front door	Single glass door with auto-flicking function in over temperature, anti-dew interlayer and electromagnetic lock	
Rear door	Double rear door with auto-flicking function in over temperature and electromagnetic lock	
INTERNAL COOLING UNIT		
Mount type	Top of the enclosure	
Cooling type	DX	
Input power source	230V/1p/50-60Hz	
Cooling capacity (kW)	2.5	3.5
Noise (dBA)	52	
Storage Environment	0~50 °C 50%~95% hum	
MONITORING SYSTEM		
Interface	10-inch colour touch screen	
Remote monitoring	Web access/modbus TPC	
Content	Temperature & humidity sensor; liquid crystal display; RS485 protocol	
Sensors	Smoke sensor; photoelectric smoke detector, temperature & humidity sensor	



*Image shows 24U CMDC

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