

Save time.
Save money. Simplify.

EcoStruxure™ Micro Data Center C-Series 43U for Commercial Environments

Solution at a Glance

Built for commercial environments like banking, schools, offices, hospitals and retail space, the 43U 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 48% CAPEX! Deliver seamless customer experiences and optimized business operations at the edge of your network with EcoStruxure Micro Data Center by Schneider Electric™.



Up and running in weeks, not months.



Costs up to 48% less than typical data center build!



Securely manage from anywhere.



APC

Reliability & Efficiency

- More reliable with redundant power feeds
- Better protection & efficiency with intelligent eco cooling
- Enhanced security features
- Built-in local and remote monitoring

Proactively manage with three flexible options

Do-it-yourself

Let a partner manage

Let us monitor & service

All supported by our EcoStruxure IT™ management platform



Learn more

Life Is On

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Ready-to-order & Configurable

The 43U C-Series is available in four pre-configured models as well as a customizable model. Customize with the help of a registered partner or salesperson using the Local Edge Configurator.

	MDC43UECSI	MDC43UBCSI	MDC43USCSI	MDC43UACSI	AR4340IX500
Solution Type	Preconfigured	Preconfigured	Preconfigured	Preconfigured	Customizable
Enclosure H×W×D	2180×800×1200 (mm)				
Built-in Features	Enclosure, Emergency Fan Cooling, Lighting, Dual Input Power Panel, Cable Management, Intelligent Controls with Touchscreen Display				
Power Protection	6kVA Easy UPS with Battery pack	6kVA Easy UPS with Battery pack	6kVA Smart UPS with Battery pack	6kVA Smart UPS with Battery pack	Configurable
Power Distribution	Basic	Metered	Basic	Metered	Configurable
Power Input	230V / 50Hz				220 / 230 / 240V 50 / 60Hz
Cooling	3.5kW Split DX with intelligent eco modes				Optional
Security	Standard Lock, Intrusion Detection				+ Optional Keycard Access
Environmental Sensing	Temp/Humid, Spot Water, Smoke, Alarm Beacon				
Monitoring	Local Display, Phone, App, Web				+ configurable with DCIM software
Fire Suppression					Optional
Services	Optional Onsite Install & Startup				
Warranty	1 year				

Specifications

EcoStruxure Micro Data Center C-Series 43U	
Cabinet Dimension (H×W×D)	2180×800×1200 (mm) Includes top of emergency fan cooling unit
Cabinet Dimension (H×W×D) disassembled in transport mode.	2100×800×1200 (mm)
Usable RU space	36 RU (6kVA SRV) / 34 RU (6kVA SRT)
Built in cable manager Front	Expandable high density half height
Built in cable manager Rear	Full height single line
Area (incl. service space)	9.5 m ²
Color	APC Raven Black
HMI Display Panel	7" Touch Panel LCD
Cooling capacity	900 W ~ 3500 W, variable speed
Display Languages	English
Enclosure Lighting	Front & Rear LED light with door switch
System Luminance	150 lux/ 1M
UPS 1	SRV 6KAV/SRT6KVA
System IT load capacity	3 kW
System Input Requirement	50 A, Single Phase 220/230/240 V
System Frequency	Compatible with 50 Hz and 60 Hz
Input/output power panel	Rack Mounted, 0U
Rack Power Distribution Units (PDU)	Compatible with all 32A single phase APC rPDU
Emergency Fan	Two, one at bottom front and one at top rear
Monitored Subsystems.	UPS, Cooling, NetBotz, Energy Meter
Temperature Humidity Sensor	1
Temperature Sensor	1
Water Leak Detection	Spot fluid detection
Door Status Sensor	2
Door Lock System	Keyed Swing Handle standard / optional HID/MIFARE card access lock
Safety Standards	IEC60950-1 Ed 2.2 2013-05, IEC62368-1 2018: Information technology equipment – Safety
EMC Standards	EN 55032, CISPR 32 EN 55024, CISPR 24 EN 61000-3-11 EN 61000-3-12
Noise Level	Indoor 68dBA/Outdoor 55dBA
Net Weight (Base unit)	410kgs (w/ packing) & 360kgs (w/o packing)
Rack Mount Cooling Unit	5U
System Capacity	3 kW @ 45°C Ambient
Refrigerant	R410A
Outdoor Unit for Air conditioner	Split
Cooling Unit supported by UPS	Yes (by field UPS)

C-Series model comparison

Made for indoor commercial-type environments with light dust, mild temperature changes, and potential noise concerns.



	Soundproof Models	6U Low-profile Wallmount	NEW 43U
Enclosure (CRs*)	AR4000, AR4018, AR4024, AR4038	AR106V1 AR106V	AR4340IX500
H x W x D (mm)	719 x 688 x 962 1015 x 750 x 1130 1275 x 750 x 1130 1950 x 750 x 1130	650 x 331 x 969	2180 x 800 x 1200
H x W x D (in)	29 x 28 x 38 40 x 30 x 45 51 x 30 x 45 77 x 30 x 45	26 x 13 x 39	86 x 32 x 48
Total Rack U Space	12U, 18U, 24U, 38U	6U	43U
Available Rack U Space	8U, 14U, 19U, 34U	4U	36U / 34U
Power			
Maximum IT Load	600W – 3.6kW	1.5kW	3kW
UPS Capacity	1kVA-5kVA	1.5kVA	6kVA
UPS Runtime	Configuration Dependent	Configuration Dependent	Configuration Dependent
Power Input	120V, 230V	120V, 230V	220V, 230V, 240V
PDU Options	Basic, Metered, Switched		
Ventilation / Active Cooling			
Cooling Capacity	800W – 3.6kW	1.5kW	3.5kW
Active Cooling	No	No	Split DX
Ventilation	Fan Assisted	Fan Assisted	Fan Assisted with automated economizer / emergency modes
Security			
Physical Security	Standard Lock, Intrusion Detection, Camera Monitoring *Keycard Access on 18U, 24U, 38U Soundproof model Standard Lock, Intrusion Detection, Keycard Access		Standard Lock, Intrusion Detection, Keycard Access
Environmental Sensing Options	Temp/Humid, Spot Water, Rope Leak, Smoke, Vibration		Temp/Humid, Spot Water, Smoke, Alarm Beacon
Fire Suppression	No		Optional
Management			
Monitoring	Remote (Phone, App, Web)		Local Display & Alarm Beacon Remote (Phone, App, Web)
Monitoring & Dispatch Services	Available in certain regions		
Deployment			
Pre-installed IT	Yes - 18U & 24U only	Yes	No
Assembly / Warranty	Ships fully assembled / 1 year warranty		Ships partially assembled with some onsite assembly / 1 year warranty

*Part numbers are prefixes for enclosures only. Search APC.com for these prefixes to see all enclosure variations. To complete your micro data center, your solution must be configured by registered partner or sales person in the Local Edge Configurator.

[Learn more](#)

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