

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

Schneider
Electric

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* | | | | |

*Additional products included are covered by separate warranties"

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 | <div>NEW</div> 43U |
|--------------------------------|--|--------------------------|---|
| Enclosure (CRs*) | AR4000, AR4018, AR4024, AR4038 | AR106VI 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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