

# Enabling IT/OT Convergence

EcoStruxure™ Micro Data Center R-Series for Rugged Environments

## Solution at a Glance

Industrial Internet of Things (IIoT) and Industry 4.0 transformations mean that critical IT and OT equipment is moving closer to where it's used. That's why Schneider Electric™ has expanded its line of Micro Data Centers to include IP rated enclosures for indoor environments in commercial and industrial applications. This plug-and-play solution is everything you already love about EcoStruxure Micro Data Center – a complete, simple-to-deploy, simple-to-manage solution – designed to leverage existing space.



Up and running in weeks, not months.



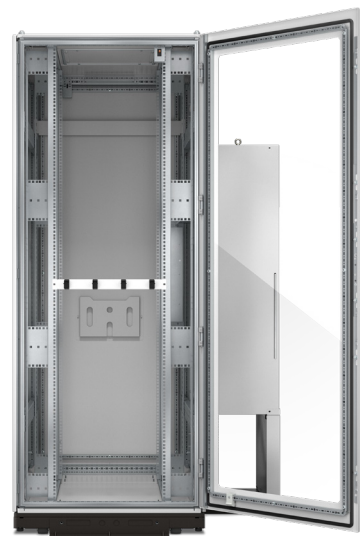
Reduction in total cost of ownership.



Pre-configured solution for IT/OT convergence.

## Secure digitally and physically

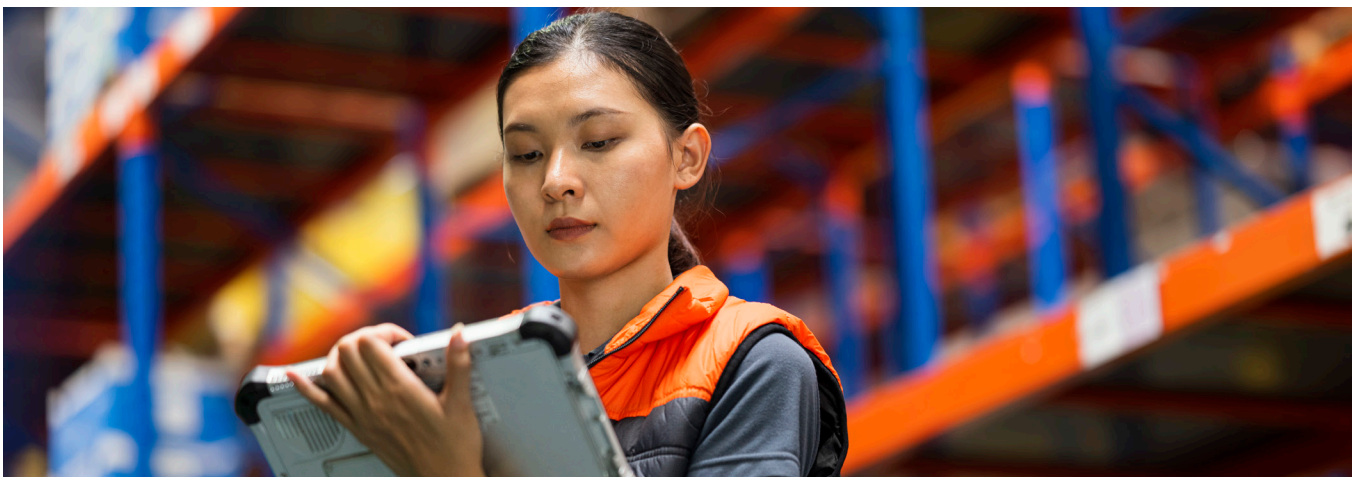
- IP54 rating for dust and water protection in industrial environments
- 24/7 high sensible cooling for harsh environments
- Optional: Power backup, remote monitoring, video surveillance and fire suppression system



# Solution Details



	15U 500W	24U 500W	24U 1kW	42U 2kW
Solution Part Number	MDC15UR500ACI	MDC24UR500ACI	MDC24UR1KACI	MDC42UR2KACI
Rack dimensions H x W x D (mm)	850 x 600 x 600	1300 x 800 x 1000	1300 x 800 x 1000	2100 x 800 x 1200
Solution dimensions H x W x D (mm)	850 x 850 x 600	1300 x 1060 x 1000	1300 x 1060 x 1000	2100 x 1130 x 1200
Static Load	500kg	1000kg	1000kg	1500kg
Dynamic Load	200kg	600kg	600kg	800kg
Total Rack U Space	13U	24U	24U	42U
IP Rating	IP54			
Power Input	230V 50Hz/60Hz - Power Distribution Panel			
Cooling Capacity (L35/L35)	500W	500W	1kW	2kW
Cooling Type	Self-Contained AC DX EcoStruxure ITE enabled			
Noise Level	<65 dB			
Physical Security	Standard Mechanical Multi-point Lock			
Cable Entry	Power and data cable glands			
Accessories	LED Light			
Deployment	Ships fully assembled with cooling and power distribution			
Warranty	1 year warranty, extend up to 3 years			



# Solution Details

## Features and Benefits

- Plug-and-play solution to easily deploy and relocate in industrial and commercial applications
- High sensible cooling for 24/7 operation
- Built-in cooling unit with power protection and remote management
- LED lighting to support operation and maintenance tasks
- Configurable with rackable UPS and PDU, environmental monitoring and fire suppression system
- Built-in data and power cableglands to simplify networking applications and connectivity



Ideal for indoor environments with:



Variable temperatures



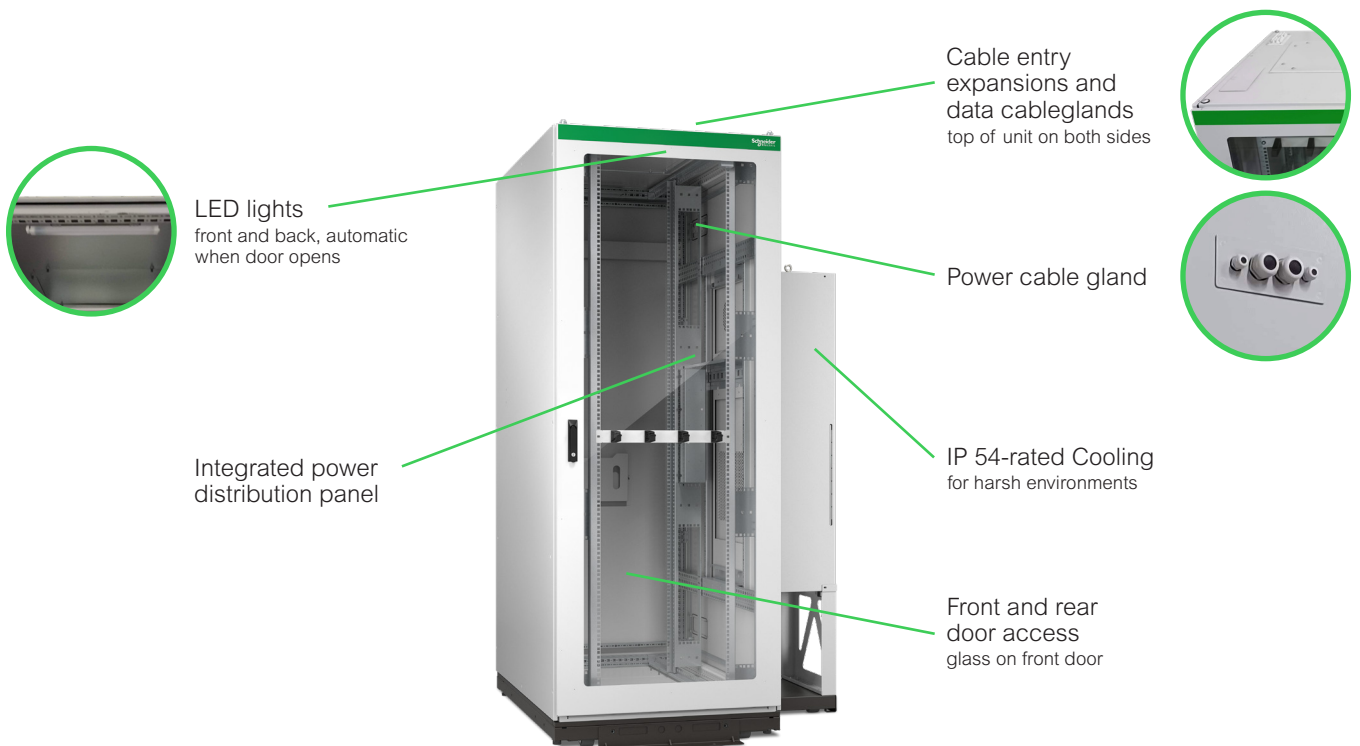
Dust concerns



Moisture concerns



Noise concerns



# Solution Configuration

A plug-and-play solution that is configurable with rackable UPS and PDU, environmental monitoring and a fire suppression system.

EcoStruxure™ management platform delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity with deployment at the edge to enable our customers to have real time solutions for control at the Edge of the IoT network. For a complete system, configure the EcoStruxure Micro Data Center R-Series with the compatible products below for an all-in-one solution.

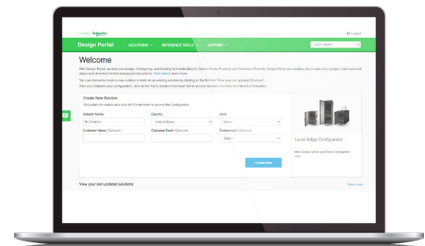


	15U Wall Mounted	24U Low Density	24U Low Density	42U Wide Low Density
<b>Compatible Additions to Configure Complete System</b>				
UPS	APC Smart-UPS, APC Easy UPS			
PDU	NetShelter Basic, Metered, Switched Rack PDU (Horizontal, Vertical)			
Environmental Monitoring	NetBotz 250, NetBotz 750 + Camera pod			
Fire Suppression	2U Rack Fire Suppression Kit (ARFS600)			
Remote Monitoring	EcoStruxure IT Expert (SFTWES5-DIGI)			
Services	Warranty extension (WEXTWAR1YR-MDC-03R)			

## Local Edge Configurator

Use the configuration tool to help design computing solutions and select the right physical infrastructure, management, services and security for the application.

Configure now at [se.com/myschneider](http://se.com/myschneider)



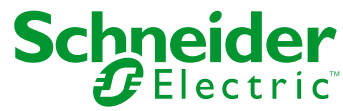
## Monitoring and Management

**IT Expert** – A cloud-based, advanced remote monitoring tool for wherever-you-go visibility and alarms, preventative management, and data-driven recommendations to mitigate security and failure risks of the data center and distributed IT infrastructures.

**NetBotz™** – The solution is designed to provide a range of integrated environmental monitoring, surveillance, and access control for sensitive equipment.



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