

Save time. Save money. Simplify.

EcoStruxure™ Micro Data Center for Rugged Environments

Solution at a Glance

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 EcoStruxure™ Micro Data Center R-series to include NEMA rating for harsh environments. It's everything you already love about EcoStruxure Micro Data Center – a complete, simple-to-deploy, simple-to-manage solution – fine-tuned for industrial use.



Up and running in weeks, not months.



Costs less than typical data center build!



Securely manage from anywhere.



Secure physically to ensure cybersecurity

- NEMA rating for industrial environments
- Essential access control
- Environmental monitoring & alerts
- Remote video surveillance

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



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Life Is On

Schneider
Electric

R-Series Configurable Solution

Select power, cooling, and security options to complete the solution. Made for indoor environments with dust, moisture, and wide temperature changes.



Low Density Enclosure	16U Wall Mounted	24U Low Density	42U Low Density	42U Wide Low Density
Base Enclosure (add ventilation to complete solution)				
H x W x D (mm)	800 x 600 x 400	1300 x 600 x 800	2100 x 600 x 800 2100 x 600 x 1000	2100 x 800 x 1000 2100 x 800 x 1200
Static Load	48kg	240kg	400kg	400kg
Total Rack U Space	16U	24U	42U	42U
Avail. Rack U Space	Configuration dependent			
IP Rating	NEMA 12 (with ventilation)*			
Base	N/A	Plinth		

*ventilation system not included in base enclosure



Low Density Configuration	16U Wall Mounted	24U Low Density	42U Low Density	42U Wide Low Density
Additions to Configure Complete Solution through Local Edge Configurator (LEC)				
Power				
Maximum IT Load	500W	2kW	2kW	2kW
UPS Capacity	500VA	1 - 3kVA	1 - 3kVA	1 - 3kVA
UPS Runtime	Configuration dependent			
Power input	120V	120V	120V	120V
Cooling				
Cooling capacity	≤0.5kW	≤2kW	≤2kW	≤2kW
Cooling Type	Fan Ventilated (fan system to be added to enclosure)			
Security				
Monitoring	Options available (Phone, App, Web)			
Environmental Sensing	Options available			
Deployment				
Pre-installed IT	No			
Assembly	Optional assembly of ventilation, power, and monitoring components			
Warranty	1 year warranty			

R-Series Integrated Solution

Configured solution with pre-integrated power, cooling, and security. Made for indoor environments with dust, moisture, and wide temperature changes.



42U High Density		
	Base System Pre-Installed at Factory	
Solution Part Number	PFMSB51042NA	PFMSB50042NA
Enclosure		
H x W x D (mm)	2432 x 1070 x 1580 (w/ casters)	2432 x 1070 x 1580 (w/ casters)
Total Rack U Space	42U	42U
Avail. Rack U Space	36	33
NEMA / IP Rating	none	none
Power		
Maximum IT Load	4.8kW	8kW
UPS Capacity	5kVA	8kVA
UPS Runtime	3.5min	5min
Power input	208V	208V
Cooling		
Cooling capacity	5kW	10kW
Cooling Type	Self-Contained DX	Self-Contained DX
Security		
Monitoring	Yes	
Environmental Sensing	Yes	
Fire Suppression	Optional	Optional
Deployment		
Pre-installed IT	Yes	
Assembly	Ships fully assembled	
Warranty	1 year warranty	

Contact your partner for a quote.

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