

## Micro Data Center Solutions



# Benefits



Micro Data Centers solutions are self-contained and secure one-enclosure systems that are assembled and tested in a factory environment. Integration and standardization of power distribution, cooling, racks, security, fire suppression and a best in-class DCIM system **dramatically reduces deployment time and complexity**, while ensuring full functionality of Data Center. They are **ideal solution for edge environments** and are deployable within a building structure or outside in harsh environments. Micro Data Centers often leverage existing facility capacity; this leads to **significant cost savings** versus designing and building new Data Center space and infrastructure.

They are available from half rack to 10 racks for both inside office space and outdoor applications, varying from 1kW to 100+ kW.

- > Fast Deployment
- > Simple to Manage
- > Secure Computing Environment
- > Standardized
- > Cost Effective
- > Self contained
- > Complete Service Portfolio
- > Ideal for private cloud and Converged IT

Choose from one of our base designs or allow us to customize a solution to meet your need.

## Indoor applications



### Target Segments and Applications

#### Indoor Applications:

> Bank branches

> Enterprise branch offices

> Retail stores

> Conference rooms / VDC

> Home office

> Medical offices

> Government

> Leased and temporary space

> Machine to Machine

> Retail

Content	SmartBunker SX (EntryLevel Prefabricated)		SmartBunker CX (SoundProofed Prefabricated)	
	SKU	PFMSB30024NA	PFMSB30042NA	PFMSB40024NA
Dimensions (WxDxH)	24U NetShelter SX (23.62"x42.13"x47.24")	42U NetShelter SX (23.62"x42.13"x78.39")	24U NetShelter CX (29.53"x44.49"x50.59")	38U NetShelter CX (29.53"x44.49"x76.77")
Net Weight	312lbs	392lbs	498lbs	564lbs
Power Protection	3VA SmartUPS X 120V w NMC	5kVA Smart-UPS X 208/230V w NMC	3kVA Smart-UPS X 120V w NMC	5kVA Smart-UPS X 208/230V w NMC
Power Distribution	Rack mount, networked, Metered, Switched	Rack mount, networked, Metered, Switched	Rack mount, networked, Metered, Switched	Rack mount, networked, Metered, Switched
Cooling	Free Ventilation	Free Ventilation	Forced Ventilation	Forced Ventilation
Environmental Monitoring, security	Temperature and Humidity sensor, Rack Access PX	Temperature and Humidity sensor, Rack Access PX, Appliance, Camera	Temperature and Humidity sensor, Rack Access PX	Temperature and Humidity sensor, Rack Access PX, Appliance, Camera Pod
Software	DC Expert Virtual, 5 Node Free	DC Expert Virtual, 5 Node Free	DC Expert Virtual, 5 Node Free	DC Expert Virtual, 5 Node Free



Rack PDU



3kVA UPS



NetBotz Sensors



Surveillance Cameras



## Additional Details & Options

Cable Management options:

- Vertical cable management
- Horizontal cable management
- Overhead cables through partition



Active and passive airflow management which are simple and easy to install.

Configured for longer runtime on battery by adding additional battery packs



Remote management of this solution requires the use of one network port and IP address. This solution allows control of outlets, monitoring of internal and external temperature & proactive notifications and warnings for power issues, outages, and even battery life. Explore the user interface and options at <http://testdrive.apc.com>

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## Target Segments and Applications

### Ruggedized Applications:

> Oil and Gas

> Military

> Mining

> Workshops

> Manufacturing sites

## Indoor or ruggedized applications



Content	SmartBunker FX (Ruggedized, SoundProofed Prefabricated)		
SKU	PFMSB50023NA	PFMSB51042NA	PFMSB50042NA
Dimensions (WxDxH)	23 U structure (32.28"x57.08"x84.45")	42 U structure (43.31"x63"x87.4")	42 U structure (43.31"x63"x87.4")
Net Weight	1212 lbs	1720 lbs	1874 lbs
Power Protection	5kVA Smart-UPS X 208/230V w NMC	8kVA Smart-UPS X 208/230V w NMC	8kVA Smart-UPS X 208/230V w NMC
Power Distribution	Rack mount, networked, Metered, Switched	Rack mount, networked, Metered, Switched	Rack mount, networked, Metered, Switched
Cooling	Top DX Cooling, 3.4 kW	InRow DX SC Cooling, 5.25kW	InRow DX Cooling, 9.9kW
Environmental Monitoring, security	Temperature and Humidity sensor, Rack Access PX, Appliance, Camera Pod	Temperature and Humidity sensor, Rack Access PX, Appliance, Camera Pod	Temperature and Humidity sensor, Rack Access PX, Appliance, Camera Pod
Software	DC Expert Virtual, 5 Node Free	DC Expert Virtual, 5 Node Free	DC Expert Virtual, 5 Node Free



Surveillance Cameras



In Row DX



## Additional Details & Options

### Cable Management options:

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- Horizontal cable management
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### Anti seismic option :

Vibration attenuation mount system to reduce seismic shock to sensitive IT equipments

### Fire Suppression :

Fully self contained fire detection and extinguishing system, Direct low pressure DOT system 6 lb, Alarm sound system with flashing LED

### Electronic and Biometric Locking:

Programmable front door keypad with electronic lock, configurable master code.

### Upgrade:

Option of upgrading Power and cooling to N+1 redundancy