

# SmartBunker™ FX



The SmartBunker FX is an easy-to-deploy, highly protected Micro Data Center solution that comes complete with backup power, cooling, and management within a secure, insulated, and rugged enclosure.



**Ideal for locations that are lacking dedicated IT space and require additional levels of physical protection or security**

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# Advantages

Schneider Electric's SmartBunker FX is a Micro Data Center infrastructure solution within a secure, insulated, and rugged enclosure. Each unit contains UPS, power distribution, active cooling, environmental sensors, and remote management software to provide a plug & play solution for easy and secure deployment of your IT equipment. Additional options such as fire suppression, industrial cooling, and biometric security allow for increased protection of critical systems.

## Protect Critical Data

- > Protects sensitive IT equipment from harsh environments, vandalism, and natural disasters
- > Thermally Isolates and maintains consistent temperature to maintain longevity of servers and networking gear

## Simplify Deployment

- > Replaces small server rooms in remote locations, factories, and production facilities
- > Pre-manufactured and pre-tested prior to delivery, deploys quickly and easily without construction of a room and dedicated filtering system

## Minimize Latency

- > Place processing capacity closer to production to minimize network delays
- > Improve real-time processing and decisions for exploration, on-site production, and forward operation bases

## Why Schneider Electric?

1. **Experience** – Over 20 years of configuring small IT infrastructure solutions to match market needs
2. **Global capabilities with local support** – Global supply chain with experts in your region to support applications and engineering
3. **Remote management solutions** – Several system management options from basic component level monitoring to a full suite of DCIM and security solutions to manage your entire data center infrastructure

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# Applications

## Military

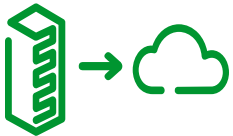
Military operations require, rugged, mobile, and easy-to-deploy solutions for managing forward bases and remote sites in harsh environments

## Industrial and Manufacturing

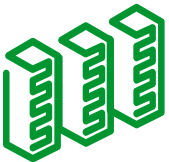
Harsh and rugged environments require special physical protection of critical data systems for research and production

## Healthcare

Building space constraints and growth of digital imaging capacity require micro data centers throughout the hospital campus



Edge Computing



High Performance Computing



Disaster Recovery



Consolidation and Converged Infrastructure



# Features and Components

- > Superior physical protection with heavy gauge steel construction
- > Thermally Insulated walls keep cold air in and hot air out
- > Wall construction provides superior sound attenuation
- > Sealed cable entries
- > Front and rear access with 180° doors
- > Remote monitoring of temperature, power, cabinet access, fire, and video
- > UPS with 5 min runtime allowing for safe, remote shut down

Multi-point locking door and Netbotz Rack Access proximity card locking system



StruxureWare Data Center Expert software for remote management and real-time monitoring



NetBotz Security and Environmental Monitoring

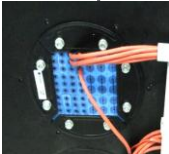
- > Surveillance Cameras
- > Alarm beacon
- > Temp. & Hum. Sensors
- > Intrusion
- > Smoke detector



Switched and metered rack PDU with remote monitoring



InRow self-contained, active DX cooling with monitoring, controls, and display



Sealed cable entries



Smart-UPS On-line with remote management

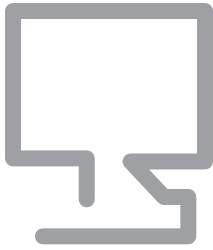
# Configurations and Options



## Custom Options

- > Vertical and horizontal cable management (front or rear)
- > Additional sealed cable entry/exits
- > Vibration attenuation mount system to reduce seismic shock to sensitive IT equipments
- > Fire suppression, detection, and extinguishing system: Direct low pressure DOT system 6 lb, Alarm sound system with flashing LED
- > Upgrade power and cooling to 2N redundancy

	<b>23U Enclosure 3kW Capacity</b>	<b>42U Enclosure 5kW Capacity</b>	<b>42U Enclosure 8kW Capacity</b>
Enclosure Dimensions (WxDxH)	23U 835x 1448x 2146mm 32.9"x57"x84.5"	42U 1100x1600x2220 mm 43.3"x63"x87.4"	42U 1100x1600x2220 mm 43.3"x63"x87.4"
Power Protection	5kVA Smart-UPS 208/230V w NMC	5kVA Smart-UPS 208/230V w NMC	8kVA Smart-UPS 208/230V w NMC
Power Distribution	Rack mount, networked, Metered, Switched	Rack mount, networked, Metered, Switched	Rack mount, networked, Metered, Switched
Cooling	DX, Top-Mount, Self-Contained, Built-In Condenser, Exhausts to room 3.4 kW	DX, InRow SC, Self-Contained, Built-In Condenser, Exhaust to building HVAC 5.25kW	DX, InRow RD, External Condenser Required 9.9kW
Environmental Monitoring, security	Temperature and Humidity sensor, Rack Access PX, Appliance, Camera Pod		
Software	DC Expert Virtual, 5 Nodes Free		
SKU Numbers	PFMSB50023 PFMSB50023NA (60Hz)	PFMSB51042 PFMSB51042A (60Hz)	PFMSB50042 PFMSB50042NA (60Hz)



## Product Showcase Video

Micro Data Centers Infrastructure

Visit: <http://tv.schneider-electric.com>

## Whitepapers

Practical Options for Deploying Small Server Rooms and Micro Data Centers

Visit: [http://www.apcmedia.com/salestools/VAVR-8T7KVJ/VAVR-8T7KVJ\\_R1\\_EN.pdf?sdirect=true](http://www.apcmedia.com/salestools/VAVR-8T7KVJ/VAVR-8T7KVJ_R1_EN.pdf?sdirect=true)

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