NetShelter CX Business Case

The Netshelter CX is a soundproofed 'Server Room in a Box' which allows for IT deployment wherever and whenever it is needed, saving space, cost and deployment time.

Here's an example of how the CX can compare to an equivalent white-space:

38U Netshelter CX	Equivelent' Server Room or Wiring Closet
Infrastructure budget	
£4k including delivery	£10k to £20k
Typical floor space	
0.9 square metres	9 square metres
Equipment power draw	
3.6kW (maximum for 38U CX)	3.6kW (limited for comparison)
Typical electrical usage	
Ventilation fans 0.1kW	Aircon 3.6kW Watts (1:1 power to cooling ratio)
Fault tolerance	
Very high: Uses ambient office air (with or without office comfort aircon - not required in large space). Large body of room air = long overheat time in event of building aircon failure. Simple, hot-swappable fan modules which are less complex than aircon, have an average 'life of service' of >8 years.	**Very low:** Wholly reliant on dedicated room aircon. Servers overheat and shut down if it fails. Small body of room air = short overheat time. Restoration by specialist engineer call-out
Deployment timetable	
2-3 weeks	3 to 6 months
Deployment resources	
Available 'off-the-shelf'. Delivered fully-built, ready to use, on user-friendly pallet, fits through standard doorways. Shell comes apart for easy installation. No red-tape, no hassle, no plumbing or ducting - just wheel it in to position, plug it in and get going.	Internal resources needed for planning. Landlord approval drawings and timescales. Landlord can be a problem in old buildings. Construction disruption and lead time. Aircon machinery and ducting lead time.
Scalability	
Add another Netshelter CX	Limited to space
Portability	
Fully. Take it with you as you grow and move. Change its position in the office easily. Transport your IT without hassle and use the CX to keep your IT portable too.	Zero. Sunk cost not recoverable if you move. Landlord requires restoration of premises to original condition which results in new lost costs.

The equipment deployed in this example is based on a >60 person office with 8-9 servers, switching, patching, APC UPS, KVM and tape back-up.

In typical usage, the Netshelter CX reduces perceived server noise by up to 90%.

In this example:
Model:
NetShelter CX 38U (AR4038iA/AR4038A AR4038i/AR4038A)

Physical capacity: **38 rack spaces**
Integrated APC PDU: **12 IEC outlets**
Max thermal load: **3.6 kW**
Noise reduction: **18.5 dB**
Power consumption: **101 watts**
Cable access: **Top & bottom rear**

For user guides, brochures, testimonials and other product information visit www.apc.com

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