



APC NetShelter CX





Big rewards for small IT spaces

A place to house mission-critical IT: This is one of the most important must-haves for your business to succeed in today's competitive marketplace. Yet, the reality is that most organizations lack the proper space for an efficient data center.

Increasingly, more organizations are turning to small enclosures, such as Schneider Electric NetShelter™ CX, to keep mission-critical equipment safe and secure in almost any environment.

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Seven reasons to choose NetShelter CX enclosures

The following seven characteristics of NetShelter CX can provide your organization with big benefits:

1. Ready to fit and install in almost any corner of your office or building
2. Available in four sizes ranging from 12U to 38U
3. Portable to facilitate future moves
4. Extremely quiet, muffling about 90% of equipment sound
5. Fan-cooled, eliminating the need for special air conditioning or venting
6. Completely lockable for security
7. Easy-to-integrate with UPS solutions such as APC™ by Schneider Electric Smart-UPS™

Technical specifications



Model AR4038A and AR4038IA

- Physical capacity: 38 rack spaces
- Integrated APC PDU:
 - 11 outlets NAM
 - 12 outlets EMEA
- Max thermal load recommended: 3.6 kW
- Noise reduction: 18.5 dB
- Power consumption: 101 watts
- Net weight: 203 kg/446 lbs
- Equipment weight max: 780 kg/1716 lbs
- Dimensions HxWxD: 1950 x 750 x 1130 mm; 77 x 30 x 44 inches



Model AR4024A and AR4024IA

- Physical capacity: 24 rack spaces
- Integrated APC PDU:
 - 12 outlets NAM
 - 13 outlets EMEA
- Max thermal load recommended: 2.4 kW
- Noise reduction: 18.5 dB
- Power consumption: 68 watts
- Net weight: 155 kg/340 lbs
- Equipment weight max: 828 kg/1822 lbs
- Dimensions HxWxD: 1275 x 750 x 1130 mm; 50.2 x 30 x 44 inches



Model AR4018A and AR4018IA

- Physical capacity: 18 rack spaces
- Integrated APC PDU:
 - 13 outlets NAM
 - 14 outlets EMEA
- Max thermal load recommended: 1.2 kW
- Noise reduction: 18.5 dB
- Power consumption: 39 watts
- Net weight: 131 kg/289 lbs
- Equipment weight max: 852 kg/1873 lbs
- Dimensions HxWxD: 1015 x 750 x 1130 mm; 40.4 x 30 x 44 inches

Standard features

Floor space requirements: Enclosures are designed to be placed with their backs directly against a wall. Clearance of 200 mm/8 inches on both sides of the cabinet is essential for normal operation.

Ventilation system: Each ultra-low-noise exhaust fan module has a 1.2 kW maximum recommended total thermal load (or 4,100 BTU/hr). The 38U CX has three of these. The 24U cabinet has two and the 18U cabinet has one.

Noise reduction: 18.5 dB broadband noise reduction, measured 1.0 m/39 inches in front of the enclosure (HP and Dell servers were used as noise source in noise reduction measurements).

Mobility: Four heavy-duty, castor-type wheels. Front wheels have 360° rotation for manoeuvrability and rear wheels have fixed front-to-back motion for stability.

Rear and side access: Hinging rear side panels, left and right, for equipment installation and maintenance access. Hinging and detachable rear fan modules give completely open rear rack access.

Cable management: 75 mm/3 inch width full-height vertical 0U accessory channels located on each side at the front, middle, and rear of the rack.

Grounding: The CX cabinet is intended to be used with certified equipment that provides a proper enclosure to guard against electrical hazards. Proper ground for these types of equipment is made through the attachment of the plug/cord and provided this ground path exists to the supply PDU, there is no need for external grounding of the rack.

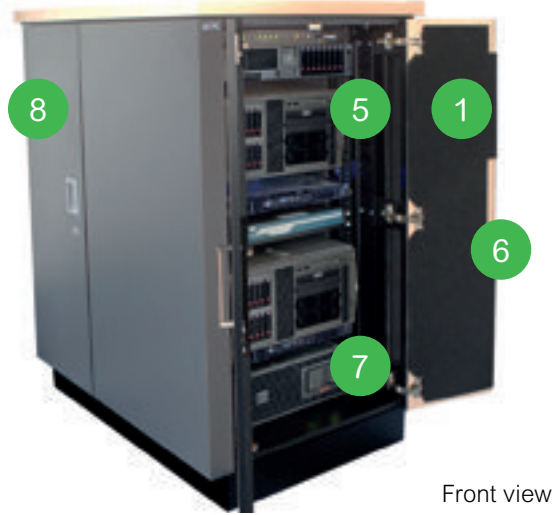
Locking: Fully lockable enclosure.

Warranty: Two-year warranty.

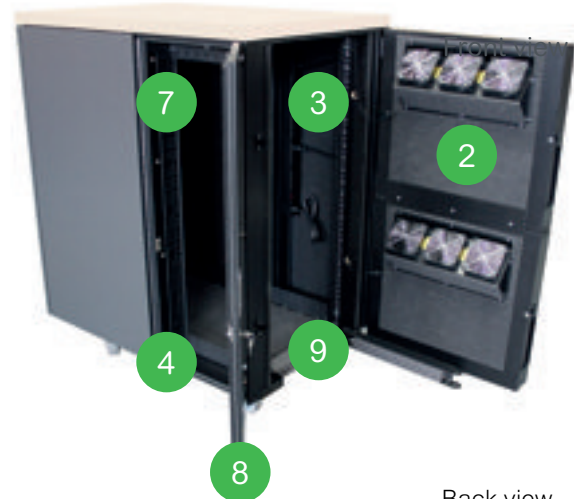
Features and benefits

1. Soundproofed enclosure
2. Integrated ventilation fans
3. APC power distribution included
4. Mobile, on heavy-duty castors
5. Moveable EIA spec four-post 19-inch rack (88 cm/34 inch max depth)
6. Fully lockable enclosure
7. Front and rear accessory rails for cable management
8. Hinging and lockable side panels and rear fan units for easy access
9. Easy-to-use cable port for up to 400 cables (two ports on 38U model):

- Physical rack capacity is fully EIA compliant
- Rack depth: 88 cm/34.6 inches max, adjustable to 12 cm/4.7 inches
- Electrical systems are RoHS compliant
- Light oak veneer finish blends discretely into almost any office environment
- Acoustic foam lining reduces audible server and hardware noise by 18 dBA to below normal office background levels
- Lockable doors, fan units, and side panels (keys included)
- Rear access for simple hardware installation
- Simple “plug-and-play” deployment
- Two-year warranty

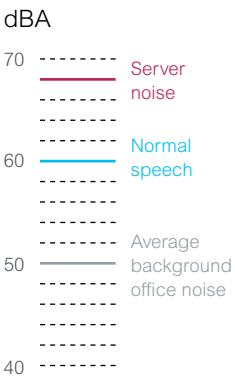


Front view

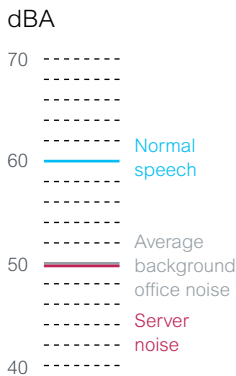


Back view

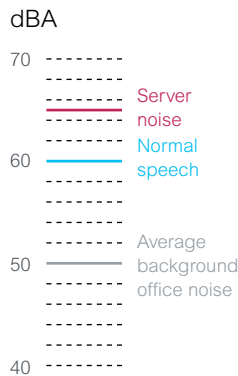
Eight servers in a conventional open-frame rack



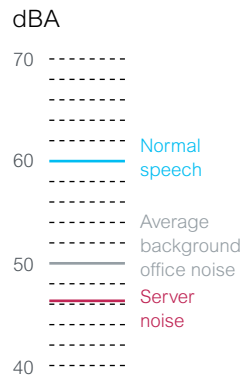
Eight servers in a NetShelter CX AR4038 enclosure



Four servers in a conventional open-frame rack



Four servers in a NetShelter CX AR4024 enclosure



Soundproofing

The NetShelter CX achieves 18.5 dBA of noise reduction. In real terms that means it is quiet enough to put in an open office and even sit beside.

Options and accessories

AR4601 bolt-down bracket

Bolt-down bracket kit

Use the bolt-down kit to provide added safety in dynamic environments.



AR4602 high-security handle adaptor kit

Handle adaptor kit allows use of high-security handles options:

- End user installable. Replaces existing door handles. Compatible with:
 - Combination lock handle — Part number AR8132A
 - Netbotz rack access — Part numbers NBACS125 and NBACS1356



AR4603 NetShelter CX Base/Plinth Surround Kit

The NetShelter CX Base/Plinth Surround kit fits to the base of the CX enclosure. The kit attaches to the support feet to neatly hide the casters and support feet once the enclosure is in its final position



AR4701/AR4702 dust filter kit

Dust filter kit

Washable filter that fits over the air inlets. Simply rinse under fast flowing warm water.

Part numbers:

- AR4701 for NetShelter CX 18U and 24U
- AR4702 for NetShelter CX 38U



AR4703 fan booster kit

Upgrade for fan tray and power supply to achieve greater equipment density.

Easy to Install. Replaces existing fan tray and power supply. Increases



Model	Standard capacity	Booster capacity
NetShelter CX 18U	1200 Watts	2400 Watts (Qty. 1)
NetShelter CX 24U	2400 Watts	3500 Watts (Qty. 2)
NetShelter CX 38U	3600 Watts	5000 Watts (Qty. 3)

AR8136BLK blanking panels

Modular, toolless 1U airflow management blanking panel to prevent air recirculation by occupying unused rack space (Qty. 10).



Cable management options

Comprehensive selection of accessories designed to organize power or data cables.

Ranging from simple cable management rings and brush strips to vertical or horizontal organizers to achieve greater equipment density.



Alternative finish options

The NetShelter CX is available in four finishes: Light oak and grey, snow white, storm grey, and jet black.



About Workspace Technology

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REGISTERED MEMBER



Technology House, 5 Emmanuel Court, Reddicroft Sutton Coldfield, West Midlands B72 1TJ.

Tel : 0121 354 4894 Fax: 0121 354 6447

email : sales@workspace-technology.com

www.workspace-technology.com



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