



Semi-knocked down fixed wall-mount enclosure

Models: PCRWESKD04U45FXBK | PCRWESKD12U45FXBK
PCRWESKD06U45FXBK | PCRWESKD15U45FXBK
PCRWESKD09U45FXBK | PCRWESKD18U45FXBK
PCRWESKD04U60FXBK | PCRWESKD12U60FXBK
PCRWESKD06U60FXBK | PCRWESKD15U60FXBK
PCRWESKD09U60FXBK | PCRWESKD18U60FXBK

Professional Series

Installation guide

1. Introduction

Thank you for purchasing the semi-knocked down (SKD) fixed wall-mount enclosures from Nexxt Solutions. Each wall-mount unit is housed in lockable heavy-gauge metal enclosure to keep wires safe and properly organized. Available with 4, 6, 9, 12, 15 and 18 rack spaces, these units are designed for mounting multiple patch panels and other voice/data equipment where space is at a premium. Easy to install and assemble, our wall mount cabinets offer a cost-effective solution for applications requiring protection, accessibility and cable management capabilities.

Main features

- 132lb maximum load capacity
- Top and bottom access to cables
- Independently locking front and rear section
- Standard square-punched mounting rails for faster component loading
- Includes ventilation units from 110VAC to 220VAC

For support and to find out more about our complete solution, we invite you to visit us at nexxtsolutions.com.

2. Preliminary steps

- Prior to installing this product, you must read all instructions thoroughly.
- Keep these instructions handy in an easily accessible location for future reference.
- A clean, flat, level, protected floor area should be provided for rack assembly to prevent damage to parts.
- The installer will need to have the following items and tools available to assemble and install the rack. They are not included in the package.

1. Phillips screwdriver or power drill with the following bits
Phillips-head tip
Hex to square socket adaptor
2. 12mm hex socket
3. Pair of gloves
4. Long nose plier
5. Cleaning towel
6. 3mx2m mat or padded surface



3. Package content

Upon opening the boxes, make sure all the items listed below are included:






Item	Qty
Front tempered glass door	1
Rear panel	1
Top panel with ventilation unit(s)	1
Bottom panel/base	1
Front frame	1
Perforated mounting profile	4
Removable side panel	2
Bag of accessories for assembly	1
Installation guide	1

Hardware and assembly kit content

Item description	DIM	BAG #	ID	QTY	Application
Phillips-head screw	M6xL12	1	A	30	Rear panel, bottom panel/base, top panel, front frame
Flange nut	M6	1	A	30	Rear panel, bottom panel/base, top panel, front frame
Phillips-head screw	M6xL16	2	B	20	Screw set for device installation
Plastic washer	M6	2	B	20	Screw set for device installation
Cage nut	M6	2	B	20	Screw set for device installation
Cam lock with key set		3		3	Front door and side panels
90° lock offset plate		3		1	Front door
Lock offset plate		3	E	2	Side panels
Pigtail cable	14AWG	3		1	Grounding
Door pivot pin	M5	4		1	Front door
Flat metal washer	M5	4		3	Front door
Pivot pin plastic guide	M5	4		3	Front door

4. Fasteners

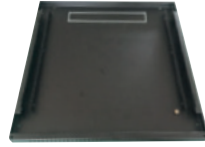
Fasteners	A	B
Description	Phillips-head screws and flange nuts	Phillips-head screws, cage nuts and plastic washers
		
Type	M6xL12	M6xL16
Quantity (pcs)	30	20
Application	Join rear panel to top cover, base, front frame	Installation of mounting profiles and devices


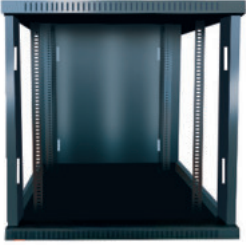


Assembly hardware	Door pivot pin, metal flat washers, pivot pin plastic guide	Cam lock with key set	90° lock offset plate	Lock offset plate	Green/yellow pigtail, for grounding connection
Description					
Quantity (pcs)	1 / 1 / 2	3	1	2	1
Application	Front door	Front door and side panels	Front door	Side panels	Front door



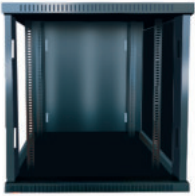


Components

A1	A2	A3	C1
			
Bottom panel / base	Cover / top panel with fan(s)	Front frame	Mounting posts for equipment
D1	D2	D3	
			
Cover/ rear panel	Front tempered glass door	Side panels	

5. Cabinet assembly

Step	Image	Parts and installation items needed	Recommended procedure
			<ul style="list-style-type: none"> The illustration provides an exploded view of all the enclosure components you are about to put together. Open the box and verify that all parts, hardware and accessories are included in the package. Inspect the cabinet components and identify each individual part to ensure proper assembly of the unit.
1		1 bottom panel (A1)	<ul style="list-style-type: none"> Identify the bottom panel /base.
2		1 front support frame (A3) 1 rear panel (D1) 10 M6xL12 phillips-head screws (A) 10 M6 flange nuts (A)	<ul style="list-style-type: none"> Now, identify the front frame and the rear panel/cover. Place the rear panel on the base, making sure the slots on the frame are facing inwards, so as to engage the plastic stops located on the side panels. We recommend inserting the fastening screws from the outside of the unit first, and then tighten the nuts from the inside.
3		1 cover/ top panel (A2) 10 M6xL12 phillips-head screws (A) 10 M6 flange nuts (A)	<ul style="list-style-type: none"> Identify the top panel. Place the cover on top of the rear panel and front frame, making sure to position the cable pathway closer to such rear panel. To increase the rigidity of the structure, insert the screws and nuts through the holes on the lateral openings of the cabinet where the side panels are to be installed. We recommend inserting the fastening screws from the outside of the unit first, and then tighten the nuts from the inside.

Step	Image	Parts and installation items needed	Recommended procedure
4		4 perforated mounting rails (C1)	<ul style="list-style-type: none"> Identify profiles or perforated rails for equipment mounting.
5		8 M6xL12 phillips-head screws (A) 8 M6 flange nuts (A)	<ul style="list-style-type: none"> Position the perforated mounting rails so as to have from high to low the number of rack units stamped on each column. In addition, the row of numbers on each vertical rail must be facing each other on both, the front and rear sections of the unit. Proceed to insert the M6xL12 phillips-head screws from the inside through the vertical mounting rails. Then thread a flange nut so as to fix them to the side bars.
6		2 side panels 2 cam lock and key sets 2 lock offset plates 	<ul style="list-style-type: none"> Identify the two side panels. Both are identical for this model. Next, identify one cam lock and key set, including one lock offset plate. Install the cam lock in the opening located on the side panels. Then insert the locknut and tightly fasten or secure it in place. Proceed to attach the offset plate to the lock from the inside, and tightly fasten the assembly using the supplied screw, flat and spring washers.
7			<ul style="list-style-type: none"> Place bottom section of each side panel over the outer edge of the cabinet base. Slide the plastic retaining latches on both sides of the panel to their lock position. Turn the key to engage the cam lock.

Step	Image	Parts and installation items needed	Recommended procedure
8		1 front door 1 cam lock and key set 1 90° offset plate 	<ul style="list-style-type: none"> Identify the front tempered glass door. Next, identify one cam lock and key set, including the 90° offset plate. Install the cam lock in the opening located on the front door. Then insert the locknut and tightly fasten or secure it in place. Proceed to attach the 90° offset plate to the lock from the inside, and tightly fasten the assembly using the supplied screw, flat and spring washers.
9		1 door pivot pin 1 flat metal washer 2 pin plastic guides 	<ul style="list-style-type: none"> Identify the door pivot pin, the flat metal washer and the two plastic guides. Insert the pin plastic guides in the top and bottom holes located on the front section of the structure. Then fit the pin into the plastic guide found on the right side of the bottom panel and insert a metal washer.
10			<ul style="list-style-type: none"> Identify the front tempered glass door and carefully lower it to engage the pivot pin below. Pull down the spring lock located on the upper right section of the door and release it into the hinge hole of the enclosure.
11		1 green/yellow pigtail 	<ul style="list-style-type: none"> Identify the green/yellow pigtail grounding cable. Locate the grounding copper studs on the lower section of the door and on the right corner of the bottom panel. Unfasten the nut from each stud and remove one of the two copper washers. Connect one end of the pigtail grounding cable to the enclosure stud, and the other end, to the stud located on the front tempered glass door. Replace the copper washer you just removed and screw the nut back to attach both ends of the pigtail. The enclosure assembly is now complete. <p>Note: This enclosure includes ventilation unit(s) designed to improve air flow. These operate with voltages of 110VAC and 220VAC.</p>