

Featured Product

NEMA Enclosures

Chatsworth Products (CPI) offers several types of NEMA-rated enclosures for protecting and securing electronics, computer, networking and communications equipment in warehouse, manufacturing and certain outdoor environments. NEMA enclosures are completely sealed, providing electronic equipment with added protection against dust and liquid penetration. Choose from two styles: the floor-mounted NEMA 12 Freestanding Cabinet for indoor use or the NEMA-Rated Wireless Wall-Mount Enclosure for indoor or outdoor use.

NEMA 12 Freestanding Cabinet

The NEMA 12 Freestanding Cabinet is a sealed enclosure designed for indoor use, but outside of traditional telecommunications and equipment rooms. The NEMA 12 Freestanding Cabinet protects Information and Communications Technology Equipment (ICT/ITE) and electronic automation and industrial controls by forming a physical barrier around equipment with integrated gaskets on each door and panel that provide a degree of protection against dust and non-corrosive liquid penetration. Use NEMA 12 Freestanding Cabinets with 19"EIA mounting rails to extend your network into certain manufacturing environments, warehouses and site trailers or with a solid backplane as a secure enclosure for industrial control panels.

Personalize It

Your requirements are unique. CPI personalizes your cabinet so it has the feature set you need. Starting with the basic cabinet, customers work with CPI to define size and accessory requirements. The basic cabinet includes the 4-post frame, top panel, bottom panel, doors and side panels. Options include adding a 19"EIA mounting rail kit or a solid back plane inside the cabinet, adding a fan/filter kit and document holder on the door, adding Roxtec* cable sealing solutions to the top panel or bottom panel gland plates for cable entry, adding custom openings for other cable sealing solutions to gland plates and having CPI install cable management accessories, PDUs and other accessories.

**Roxtec is a registered trademark of Roxtec AB, Karlskrona, Sweden (www.roxtec.com). CPI can personalize your NEMA 12 Freestanding Cabinet by adding precise openings for Roxtec sealing solutions on your cabinet's top and bottom gland plates. Roxtec sealing solutions maintain NEMA protection.*



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CHATSWORTH
PRODUCTS

UL/cUL Rated - Environmental Type 12

These enclosures are constructed for indoor use and provide a degree of protection against dust, falling dirt, and dripping non-corrosive liquids. The NEMA 12 Freestanding Cabinet has also been evaluated by Underwriters Laboratories (UL) as an Industrial Control Panel Enclosure, and is rated UL and cUL Environmental Type 12 as constructed in accordance with Enclosures for Electrical Equipment, Environmental Considerations, UL50E, and the Standard for Industrial Control Panels, UL 508A.

Sealed Cabinet Protects Equipment

The NEMA 12 Freestanding Cabinet is completely sealed. The top panel, bottom panel, side panels and doors are solid and include perimeter seals. The cabinet provides an increased level of protection for personnel against contact with hazardous equipment and an increased level of protection for equipment against ingress of foreign objects and ingress of water or non-corrosive liquids.



Industrial Control Panel Enclosure
No. NITW.E473128
No. NITW7.E473128



Multiple Size Options

The NEMA 12 Freestanding Cabinet is available in 32 standard frame sizes to match site requirements. Standard cabinet sizes are listed in the table to the right. Contact CPI to discuss custom sizes. Custom sizes must be between 23.6" (600 mm) and 31.5" (800 mm) wide and less than the largest standard height 86.7" (2200 mm, 47U) and depth 47.3" (1200 mm). A minimum order quantity may be required.

Frame Heights	Frame Widths	Frame Depths
53.2" (1350 mm), 27U	23.6" (600 mm)	23.6" (600 mm)
78.8" (2000 mm), 42U	31.5" (800 mm)	31.5" (800 mm)
82.7" (2100 mm), 45U		39.4" (1000 mm)
86.7" (2200 mm), 47U		47.3" (1200 mm)

Please contact CPI Technical Support for assistance configuring a NEMA Cabinet. Simply email techsupport@chatsworth.com with the subject line "NEMA Cabinet", and include your contact information in the body of the email. A CPI Representative will then contact you.



✓ Top Panel with Removable Gland Plates

The top panel includes multiple cable openings with gland plates that can be removed and modified in the field for cable entry. Six openings (three per side) are standard in 1100 mm and 1200 mm deep cabinets. Four openings (two per side) are standard in 600 mm and 800 mm deep cabinets. Openings are sized to match certain Roxtec sealing solutions. Additionally, there are lifting eye bolts at the top corners of the frame. Contact CPI Technical Support if custom openings are needed for other sealing solutions.

✓ Bottom Panel with Removable Gland Plates

The bottom panel includes three solid gland plates that can be removed and modified in the field for cable entry. Alternately, CPI can provide gland plates with openings for Roxtec and other sealing solutions, or with a set of four round cable grommets.



✓ Doors with Fan/Filter Kits

The standard door is a solid door with a four-point latch. The door mounts on three quick-release hinges, allowing easy removal during equipment service. You can add a Fan/Filter Kit to provide additional ventilation for equipment. Each Fan/Filter Kit includes a filter at the base of the door and a fan at the top of the door. Fans can be specified for 115VAC or 230VAC nominal input. You can also add a document holder to the door.

✓ Optional 19" EIA Mounting Rail Kit or Solid Backplane

Add the 19" EIA Mounting Rail Kit to support 19" EIA rack-mount equipment in your NEMA 12 Freestanding Cabinet. The kit includes two pairs of mounting rails to provide front and rear support for equipment and six frame supports that attach to the top, middle and bottom of the frame. The mounting rails are square punched with the EIA-310E universal hole pattern (5/8"-5/8"-1/2" spacing), and U spaces are marked and numbered on the mounting rails for easy positioning of equipment. There are multiple attachment points on the supports, allowing rails to be adjusted in depth in 25 mm increments. The kit ships pre-installed and includes mounting hardware (25 each M6 cage nuts and screws). As an alternative to the 19" EIA Mounting Rail Kit, you can request a full height Solid Backplane for installing instrumentation or automation controls.



✓ Optional Cable Management Accessories

You can also add vertical cable managers to the cabinet. CPI will pre-install the managers, per your instructions. Four styles of managers are available. Finger Cable Manager attaches to the 19" EIA mounting rail providing T-shaped fingers next to equipment for organizing patch cords by U space. Ring Cable Manager has C-shaped cable rings for managing loose patch cords. Cable Lashing Bracket provides tie points for cable bundles. Full Height PDU Bracket supports up to two eConnect PDUs.



Optional Plinth

The plinth provides a structural mounting base for the cabinet with a 4"H (100 mm) lift. The space under the cabinet can be used to deliver services and route cables. The kit includes four corner supports with front access to and slotted openings for floor-mount hardware and kick plates that surround the base of the cabinet.

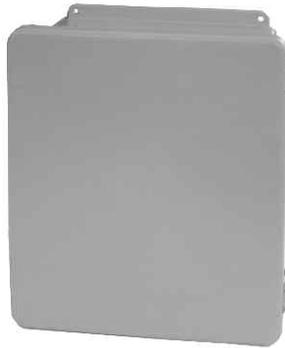
NEMA-Rated Wireless Wall-Mount Enclosures

The NEMA-Rated Wireless Wall-Mount Enclosures are compact, wall-mount enclosures designed to protect wireless access points or other small electronics. Enclosures are manufactured from fiberglass with a single, fully-hinged and sealed door. Two sizes are available. The standard enclosure has a single padlock hasp latch. The large enclosure has two padlock hasp latches. Both enclosures have a removable mounting plate for equipment. The large enclosure is also available with a tinted window on the access door. Both enclosures are rated NEMA 1, 2, 3, 3R, 4, 4X, 12 and 13.

Part Number	Description	Enclosure Size H x W x D – in (mm)	Useable Space for Equipment H x W x D – in (mm)
AAT-MWME-P	NEMA-Rated Wall-Mount Enclosure	11.5 x 9.5 x 4.5 (292 x 241 x 114)	9 x 7 x 3 (230 x 180 x 80)
AAT-WME-P	Large NEMA-Rated Wireless Wall-Mount Enclosure	15.5 x 13.5 x 6 (394 x 343 x 150)	13.5 x 11.5 x 5 (343 x 292 x 130)
AAT-WMESG-P	Large NEMA-Rated Wireless Wall-Mount Enclosure with Window	15.5 x 13.5 x 6 (394 x 343 x 150)	13.5 x 11.5 x 5 (343 x 292 x 130)



NEMA-Rated Wireless Wall-Mount Enclosure
CPI P/N: AAT-MWME-P



Large NEMA-Rated Wireless Wall-Mount Enclosure
CPI P/N: AAT-WME-P



Large NEMA-Rated Wireless Wall-Mount Enclosure with Window
CPI P/N: AAT-WMESG-P

For more information about the NEMA 12 Freestanding Cabinet or Wall-Mount Enclosures, call CPI and ask for Technical Support or email techsupport@chatsworth.com.

