FEATURES

- Accepts PC/104 and PC/104-*Plus* modules
- Up to four PC/104 modules can be mounted inside
- Slotted cable exits offer flexibility
- User configurable or standard end plates
- Slotted keyholes for easy mounting
- Vented side walls for heat dissipation
- Ample room for cable runs inside the box
- Optional 40W power supply
- Light-weight aluminum construction
- Black powder coat finish
- Size: 7.125"W x 8.325"D x 4.0"H

FUNCTIONAL CAPABILITY

The ENC-104 is a simple, low-cost enclosure for PC/104 systems. The enclosure allows a designer to package a variety of system configurations quickly and easily to take full advantage of the reliability, small size and low power of PC/104 and PC/104-*Plus* modules. Typical mounting is in a NEMA box, wiring closet, equipment room, and other areas where it is necessary to protect a PC/104 module stack.

The interior of the enclosure is large enough to install any PC/104 module, even those with latching I/O connectors. The additional room also simplifies cable routing plus supports service loops to connectors mounted on the end panels.

Assembly - The enclosure is made of 5 items: chassis base, chassis cover, two end plates and a square 4.8-inch PC/104 module stack plate. The chassis base is designed to mount in a variety of configurations. It can attach vertically on a wall, on a table, under a counter or inside a larger piece of equipment. It has a flange on the base with four slotted keyholes to make installation and removal easy.

There are 4 PEM standoffs on the chassis base that allow the PC/104 stack plate to be screwed into place. The PC/104 stack plate is raised 0.250-inches from the chassis base to allow cables to run under it. The stack plate's mounting holes are symmetrical to allow mounting in 4 different directions (rotation of 90°). This permits flexibility with cable runs and special I/O cable issues. It also allows the PC/104 stack to be easily removed without removal of the chassis base from its mounting.

PC/104 modules are centered on the stack plate. However, a user can design their own plate if a special configuration is required. If a stack plate is not used, then another PC/104 module can be added to the stack without exceeding the inside height of the chassis cover.

Two end plates are attached at opposite ends of the chassis base. The standard end plate configuration contains a cutout wide enough to accommodate nearly every standard I/O cable. There is a movable clamp that can be adjusted to hold the cables in place.

WinSystems may offer additional end plates in the future as well as an optional 40-Watt power supply the mounts to the enclosure. Contact an application engineer for more details. Alternatively, one can easily make their own end plates to match their I/O card connectors requirements.

The cover is slotted to allow convection cooling. It is attached to the chassis base with four screws.

Material - The enclosure is made of lightweight, durable aluminum that will not rust. It is painted with a black powder coat resisting scratches and fingerprints. The PC/104 module stack plate has a clear coat.

SPECIFICATIONS

Materials
Chassis and cover: 0.062-in aluminum
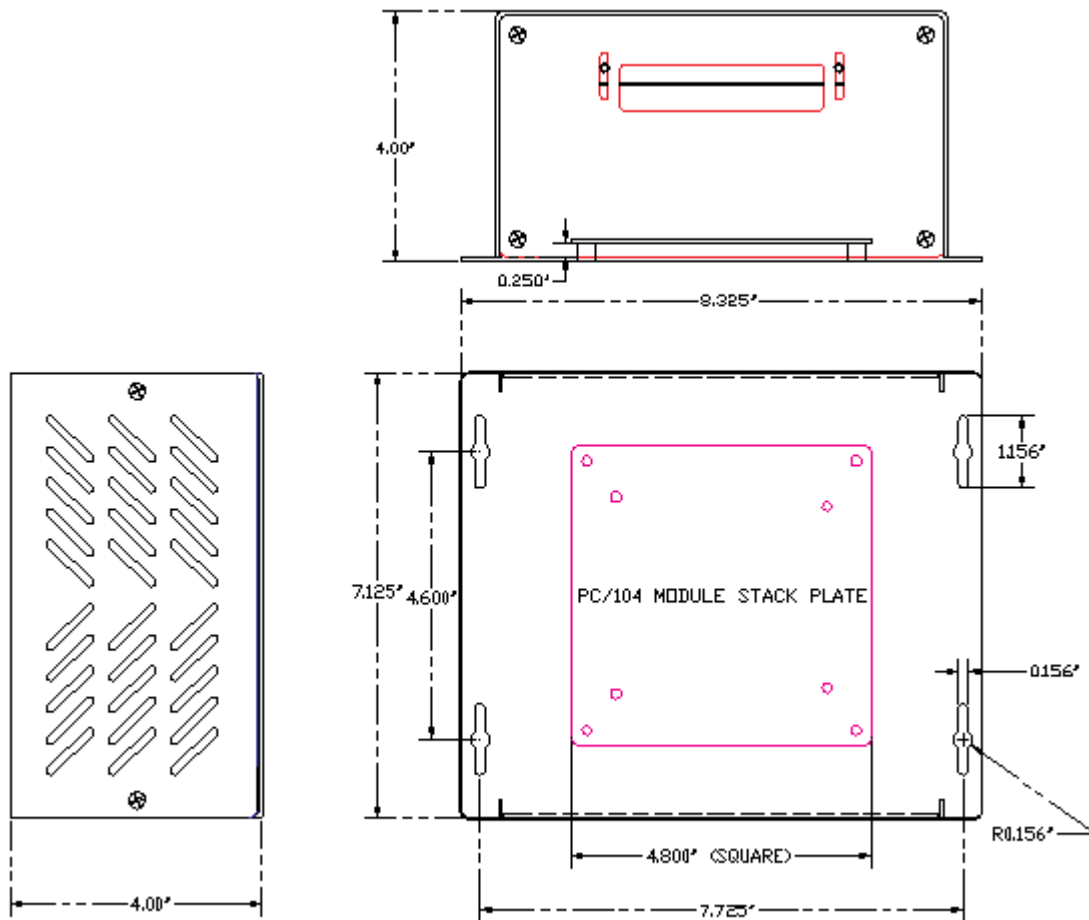Finish: Black powder coat paint (except for the PC/104 stack plate that is clear)

Mechanical
Size: 7.125"W x 8.325"D x 4.0"H
Weight: 1.65 pounds

ORDERING INFORMATION

ENC-104-1   PC/104 & PC/104-*Plus* enclosure

ENC-104-1 Mechanical Drawing