

ENCLOSURES



CAN-TAINER / VERSA-TAINER

The Can-Tainer and Versa-Tainer are rugged PC/104 enclosure systems constructed of .125" aluminum and designed for hostile and mobile environments. They feature a dual system of shock and vibration isolation: The PC/104 modules are mounted axially in the enclosure with four internal rubber corner rails to absorb high-frequency vibrations, while the entire enclosure is mounted on the host platform with a thick rubber pad which absorbs low-frequency G-forces. The rubber pad is optional and may be removed for hard mounting.

The Can-Tainer cross section measures 6.00" wide by 5.45" high (not including mounting pad) and is designed to mount PC/104 boards axially along the length of the enclosure body. The Versa-Tainer is a wider version that measures 7.1" wide by 5.7"

high. The extra width accommodates EBX boards in addition to PC/104 boards, and it also provides additional room for cable runs along the sides. Both enclosures are available in multiple lengths. To calculate the height of your PC/104 stack, refer to the table on page 44. To compute the length of the enclosure you need, add 1-2 inches additional length for each end where cabling will be brought out to I/O connectors.

To mount boards or items such as hard drives that are larger than 3.550" x 3.775", use the optional CTn-VD00 mounting plates (n = 6, 8, 10, or 12). These install vertically into rails that run the length of both enclosures. For smaller items, an optional PC/104-size aluminum plate, CT-AL00, enables you to mount accessories directly onto the PC/104 stack. To mount an EBX format CPU, such as Hercules (see page 12), inside the Versa-Tainer, use the VT-EBX board, which mounts horizontally on the lower two corner guides. Additional PC/104 boards may then be installed on top of the EBX CPU.

An optional fan (CT-FAN) may be used to provide forced air cooling. To provide air flow through the enclosure, drill intake holes at the point where the fan is mounted and exhaust holes at one additional location (usually at one end cap). For a sealed environment with only conduction cooling, the fan may be mounted offset from the enclosure wall with spacers.

Each Can-Tainer and Versa-Tainer comes as a kit with end caps and mounting accessories. Additional blank and pre-designed end caps are available, or you may design your own cutouts using the blank end cap.



- ◆ Heavy duty .125" aluminum construction
- ◆ Shock and vibration protection system
- ◆ Available in lengths from 4" to 12"
- ◆ PC/104 and EBX mounting capability
- ◆ Multiple pre-formed end caps available

Kit Contents

Each Can-Tainer comes as a kit with the following accessories:

- 1 enclosure of selected length
- 1 solid end cap
- 1 end cap with 4 DB9 and 2 DB-25 cutouts, or 2nd solid end cap
- 2 endcap gaskets
- 16 endcap screws
- 4 internal rubber corner rails
- 8 internal rubber corner stops
- 1 tube adhesive for mounting corner stops
- 1 rubber anti-shock external mounting pad

Each Versa-Tainer comes as a kit with the following accessories:

- 1 enclosure of desired length
- 2 solid end caps
- 16 endcap screws
- 4 corner guides
- 8 rubber corner stops
- 1 tube CA glue
- 1 anti-shock external mounting pad

Additional end caps for both enclosures are available separately.

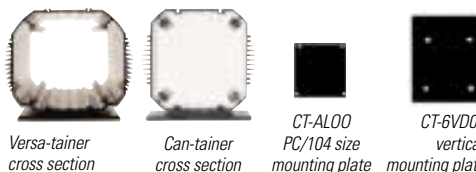
ORDERING GUIDE

Select length <L> in part numbers below:

- <L> 4 4" / 102mm
- 5 5" / 127mm
- 6 6" / 152mm
- 8 8" / 203mm
- 10 10" / 254mm
- 12 12" / 305mm

- CT-<L>** Can-Tainer enclosure; specify length
- VT-<L>** Versa-Tainer enclosure; specify length
- VT-EBX** EBX mounting plate for Versa-Tainer 8" or longer
- CT-FAN** 12VDC fan; mounting hardware not included
- VT-EC00** Versa-Tainer blank end cap
- VT-EC02** Versa-Tainer end cap, 4x DB9 and 2x DB25
- CT-EC00** Can-Tainer blank end cap
- CT-EC01** Can-Tainer end cap, 4x DB9 and 2x DB25
- CT-nVD00** Vertical mounting plate; n = 6, 8, 10, or 12
- CT-AL00** PC/104 size aluminum mounting plate

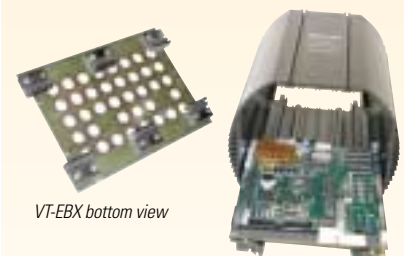
For cables and accessories, see pages 46-47.



PC/104 STACK HEIGHT

# BOARDS	1ST BOARD IS NON-STACKTHROUGH		1ST BOARD IS STACKTHROUGH	
	inch	mm	inch	mm
1	0.60	15.2	0.92	23.4
2	1.26	32.1	1.58	40.2
3	1.92	48.9	2.24	57.0
4	2.59	65.7	2.91	73.8
5	3.25	82.5	3.57	90.6
6	3.91	99.3	4.23	107.4
7	4.57	116.1	4.89	124.3
8	5.23	132.9	5.55	141.1

To compute the length of the Pandora, Can-Tainer, or Versa-Tainer enclosure you need, determine the height of your board stack from the table above, then add 1-2 inches more for each end where cables will be brought out to an end cap.



VT-EBX bottom view

Hercules CPU mounted on VT-EBX in Versa-Tainer