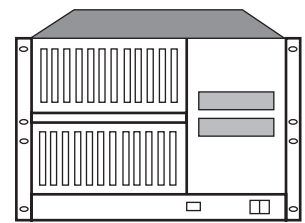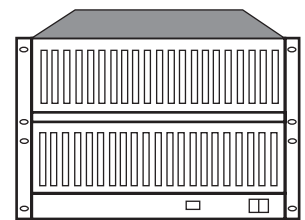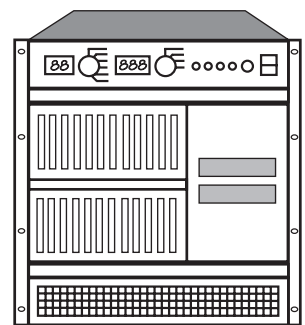# VMEbus Card Cages

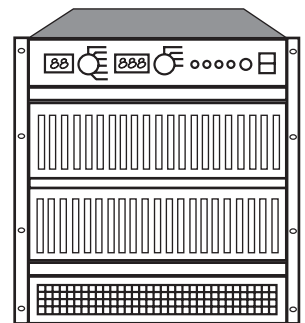Model 8200   Model 8201

Model 8211

Model 8221

Model 8231

Model 8232

General Information

Pentek offers several popular VME card cage enclosures to suit your development or production system requirements.

Designed to Pentek's specifications, they are available in tower and desktop/rack-mount configurations. All systems include J1 and J2 backplanes, line filters, cables and switches. They come fully wired, tested and ready to run.

These enclosures could very well represent the last item in your one-stop shopping for an innovative DSP system from Pentek that solves all your data acquisition, processing and analysis needs.

Portable Tower Systems

Model 8200 is a standalone portable VME64 enclosure with seven vertical slots, one fan and 250-Watt power supply. It includes a carrying handle and feet, and has vinyl-clad scratch-resistant exterior.

Model 8201 is similar to the 8200, except it also includes two disk drive bays. Its power supply is rated at 350 Watts.

Desk Top and Rack Mount Systems

Model 8211 is a VME64 enclosure with 12 vertical slots, two fans, a 500-Watt power supply and two disk drive bays. In this system, the power supply is mounted in the rear, while the fans are mounted below the card slots for air flow from bottom to top. The 8211 has provisions for both rack mounting and desk top use.

Model 8221 is a 21-slot version of Model 8211. It has three fans and a 750-Watt power supply. It does not feature disk drive bays. The 8221 has provisions for both rack mounting and desk top use.

High-Cooling Systems

Models 8213 and 8231 are VME64x enclosures designed for systems with high power/density boards that require better than average cooling. Both models have 12-slots with 750-800-watt power supplies. Six fans from 100 to 150 cfm provide a combination of suction and forced-air cooling, with a plenum feed at the bottom of the rack. These racks have provisions for both rack mounting and desk top use, as well as 2 to 4 drive bays.

Model 8231 adds power and temperature monitoring features including DC voltage LED indicators, switch-selectable voltage monitoring digital display, a slot and card depth adjustable temperature monitor with LED output, and 10-minute fan run-on after power shutdown.

Model 8223 is the 21-slot version of Model 8213. It has a 1000-watt power supply, and six 110 cfm fans to provide a combination of suction and forced-air cooling with a plenum feed at the bottom of the rack. Like the 8213/8231, the 8223 has provisions for both rack mounting and desk top use, but does not feature disk drive bays. **Model 8232** adds all of the same power and temperature monitoring features as the 8231.

VXS Systems - *New*

Model 8241 is a five-slot card cage that can be used for developing and testing VXS cards. It features full VITA-41 compliant VXS fabric support for three payload cards without the need for a switch card. The two remaining slots support standard VME64x boards. Card cages featuring switch card slots are planned for future availability.

Ordering Information, VMEbus Card Cages					
Model	Dimensions	Drive Bays	Slots	Fans	Power Supply
VME64 Portable Card Cages					
8200	12"H x 7"W x 13.4"D	–	7	1 (70 cfm)	250 W
8201	17"H x 10.5"W x 13.4"D	2	7	2 (150 cfm)	350 W
VME64 Rack Mount Card Cages					
8211	12.2"H x 19"W x 16.3"D	2	12	2 (160 cfm)	500 W
8221	12.2"H x 19"W x 16.3"D	–	21	3 (240 cfm)	750 W
VME64x Rack Mount High-Cooling Card Cages					
8213	21"H x 19"W x 22"D	2-4	12	6 (660 cfm)	750 W
8231	19.3"H x 19"W x 20.5"D	2-4	12	6 (700 cfm)	800 W
8223	21"H x 19"W x 22"D	–	21	6 (660 cfm)	1000 W
8232	19.3"H x 19"W x 20.5"D	–	21	6 (750 cfm)	1000 W
VXS Card Cages (VITA 41)					
8241	13"H x 7"W x 12"D	–	5*	1 (75 cfm)	350 W

Three payload slots, two VME64x slots