

ERUSTON CORPORATION
AIR MANAGEMENT CARDS

Manufacturer of Standard and Custom Air Flow Cards
for VME, cPCI, VPX, VSX and Edge Card

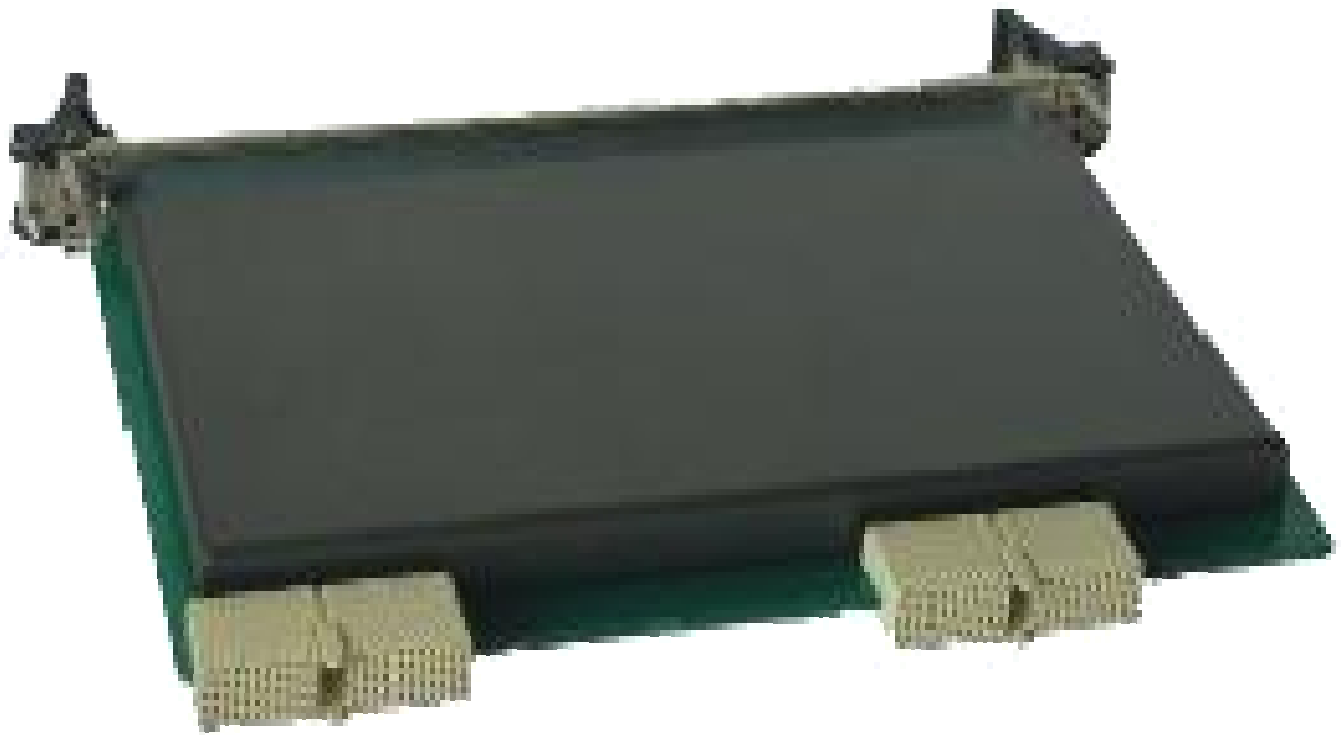
Our emphasis is based on providing prototype or
Smaller run quantities of standard and custom products.

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AIR MANAGEMENT CARDS

- Available in VME 32 & VME64x.
- In Stock.
- Custom front panel silk screening upon request.
- All VME Cards come with P1 IACK Jumpers.
- Available in 3U and 6U sizes.



AIR MANAGEMENT CARDS

- Available in cPCI.
- In Stock.
- Custom front panel silk screening upon request.
- Available in 3U and 6U sizes.



AIR MANAGEMENT CARDS

- Available in cPCI 4HP, 8HP and 12HP.
- In Stock.
- Custom front panel silk screening upon request.
- Gray powder coated cover simulates the board components and blocks the air flow.
- Available in 3U and 6U sizes.



ECONOMY AIR MANAGEMENT CARDS

- Available in cPCI 4HP, 8HP and 12HP.
- In Stock.
- Custom front panel silk screening upon request.
- Available in 3U and 6U sizes.



CPCI EXTENDER CARDS

About our Air Blockers Cards.

- I) An Airflow evaluation test was conducted on a 19" style Enclosure with 18 slots.

Results

Test #	Pos #1	Pos #2	Pos #3	Pos #4	Pos #5	Pos #6	Pos #7	Mass Flow	Volume low
	fpm	fpm	fpm	fpm	fpm	fpm	fpm	lb/hr	CFM
1	120.8	124.1	156.1	127.1	150.8	142.9	131.0	668.3	154.8
2	273.1	286.5	318.3	244.2	350.0	318.9	325.9	588.3	136.3
3	330.6	393.4	421.6	353.2	466.4	433.2	453.6	573.0	133.1

Test #1: With (9) empty slots.

Test #2: Economy air Cards Card Cage.

Test #3: Eruston air blockers and card cage, simulating a fully populated Cage.

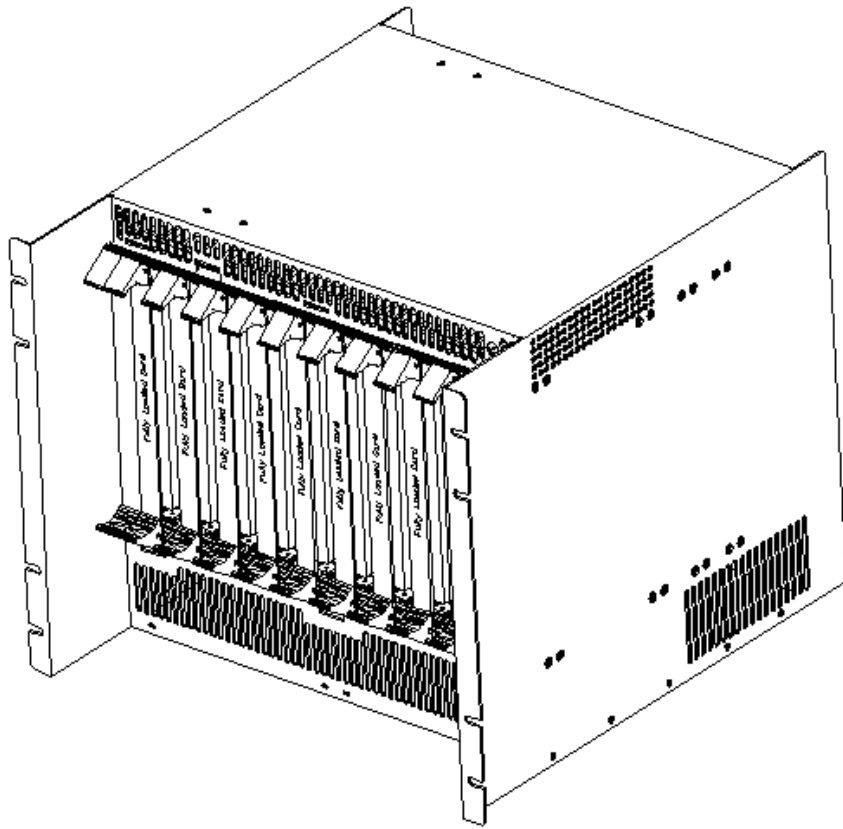
- II) The calculation requirements: (at sea level)

Dual card module, 23 watts of uniformly dissipated power

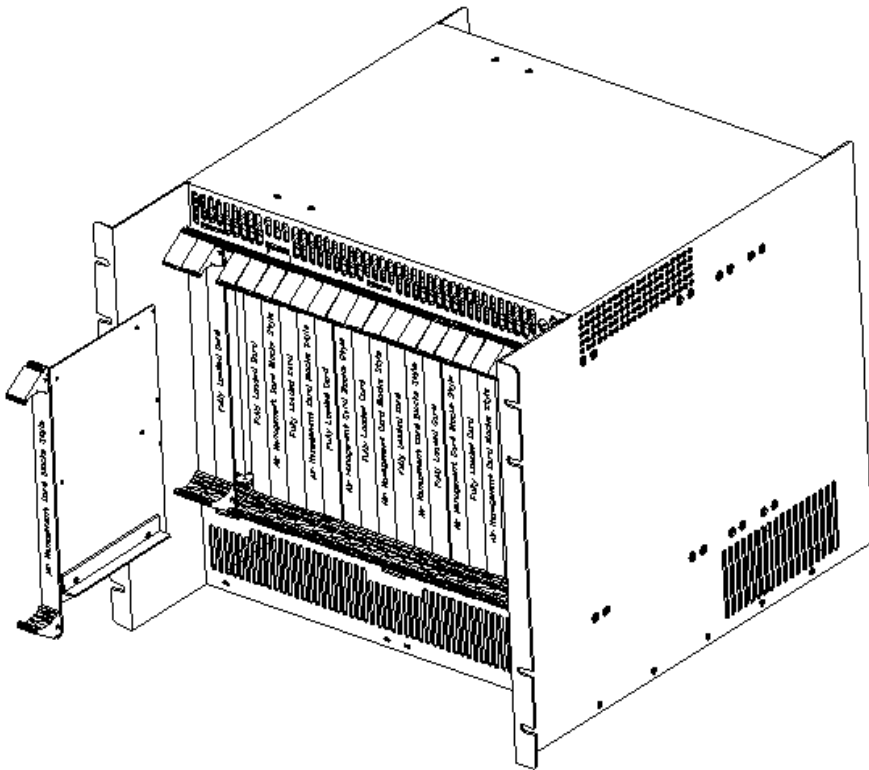
Results

airflow of	400	LFM (14.314 lb/hr)
50.0	C	Inlet air
12.7	C	General airtemp rise
11.2	C	Rise at ait/pwb boundary
3.8	C	Rise thru pwb
77.7		device ambient

airflow of	1000	LFM (35.79 lb/hr)
50.0	C	Inlet air
5.1	C	General airtemp rise
10.1	C	Rise at ait/pwb boundary
3.8	C	Rise thru pwb
69.0		device ambient – 9% decrease



Test #1



Test #2

