



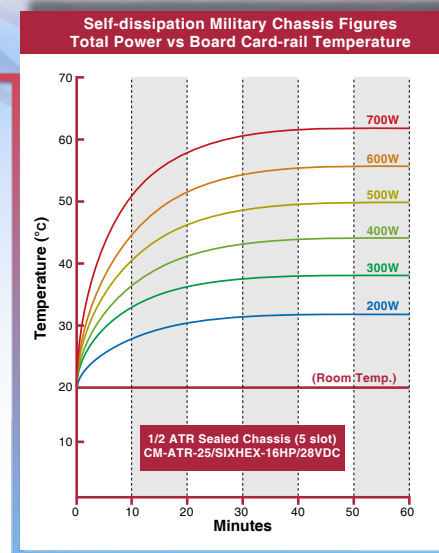
VPX, VME & cPCI True Military ATR Enclosures

16HP - Embedded Heat Pipe transfer system

The perfect Sealed COTS solution

We have incorporated 16 Heat Pipes within our latest Six Heat Exchanger chassis series in order to improve thermal performance a step further. The new SixHex-16HP ATR range will increase your system MTBF by 40% when compared to our outstanding SixHex series as a result of the additional reduction in payload operating temperatures.

This achievement surpassed our design expectations. Customers will appreciate the superb quality and performance delivered in such compact enclosures. Today, even our smallest 9 kg ½ ATR chassis is capable of handling up to 700 Watts. This COTS industry record establishes an unbeatable sealed platform for the most demanding Military applications.



CM-ATR-25/SIXHEX-16HP : ½ ATR, 5 Slot 6U, 575W PSU, 9Kg

Product Highlights

- Contaminant-free enclosure
- Available in ½, ¾ & 1 ATR size
- VPX, VME64 & cPCI ready
- Accepts Conduction & Air-cooled 6Us
- Flexible Top & Bottom I/O wiring
- Six internal Heat Exchangers
- 16 integrated Heat Pipes
- Up to 1.8 kW total Power Dissipation
- Up to 150 W per slot
- Integrated Temperature Control Unit
- Dramatically increases payload MTBF
- 2 User defined PSU DC outputs
- 25°C less than heat exchanger ATRs
- 50°C less than conventional ATRs
- In-line EMI/EMC MIL-STD 461E Filter
- Stand alone low weight solution
- Customizable to specific requirements
- Mounting Tray with quick release system

CM-ATR-25 SixHex-16HP Power Supply Options	Vin Options		Backplane DC				Suggested BUS			Max Input Power <small>(Excluding Rear Fans)</small>
	28VDC	OTHER	+5VDC	+3.3VDC	+12VDC	-12VDC	VME64	cPCI	VPX	
A-475W	✓		40A	22A	8A	8A	✓			700W
A-575W		✓	40A	22A	12A	12A	✓			850W
B-450W	✓		20A	45A	8A	8A		✓		700W
B-550W		✓	20A	45A	12A	12A		✓		800W
C-475W	✓		20A	22A	16A	8A			✓	700W
C-575W		✓	20A	22A	21A	12A			✓	850W

† All Inputs except 28VDC : 48VDC / 270VDC / Autorange 90-264VAC @ 47-880Hz / 200VAC-3Phase @ 47-880Hz

It has been demonstrated in the field that military ATR enclosures are crucial to your end system reliability and performance. CM Computers is proud to develop superior products that guarantee your payload electronics are matched with excellence.



All our chassis products are delivered Tested and Certified by independent authorized Labs per **MIL-STD-461E** & **MIL-STD-810F** for immediate deployment in US Navy and US Air Force military UAVs, Fighters and Helicopters.

CM Computer SixHex: Pure Power, Pure Dissipation, Pure Thermodynamics
Visit www.cmcomputer.com or contact us at info@cmcomputer.com to request our latest Chassis Catalog.



CM Computer

True Military COTS Products