

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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Cool-S 9-Slot Towers

www.hybricon.com



Product Highlights:

- **High quality construction in a light-weight portable design**
- **Superior cooling**
- **Custom configurations and integration services available**

Product Features:

- CompactPCI®, VME64x, and VME backplanes available
- IEEE 1101.10 / 11 compliant card cage
- Pac-2000® modular design
- Up to 350 watts pluggable or embedded power
- Advanced cooling design:
  - Patented CoolSlot® air deflecting card guides optimize airflow
  - Airflow: Lower periphery to upper periphery
  - 248 LFM average airflow
  - 3 fans mounted above card cage
  - Cooling for 40 watts per slot
- Front-access peripheral module has provisions for mounting CD-ROM, hard disk, and floppy drives

Specifications:

Physical

- **Width:** 11.92" (303 mm)
- **Height:** 15.22"(387 mm)
- **Depth:** 18.56" (471 mm)
- **Weight:** 25 lbs.*
- **Construction:**
  - EXTERIOR: 060" thick aluminum, 5052-H32 painted
  - EXTRUSIONS: 6063-T6 Aluminum, precision grade with clear iridite (conductive) plating
  - SIDEPLATES: .090" thick aluminum, 5052-H32 with clear iridite (conductive) plating
  - CARD GUIDES: Molded plastic, Noryl N190X Black (Red for CompactPCI system slot), UL94-V0
  - TAPPED STRIPS: Carbon Steel bar stock with zinc plating and supplementary chromate treatment
  - ESD GROUND CLIP: Beryllium Copper, Alloy C17400, 1/2 HT, with Bright Tin plating / MIL-T-10727

Environmental

- Temperature ranges (system level):
  - Operation: 0°C to 50°C
  - Storage: -40°C to 70°C
- Flammability rating: UL94-V0
- Regulatory: Designed to meet UL, CSA, CE requirements
- Earthing: ESD Ground Clip designed to comply with the earthing requirements of IEEE 1101.11 Section 15, IEC 60950 Section 2, and PICMG 2.5 R1.0

Electrical

- Line Cord: matches power supply requirements
- Fused line voltage, RFI line filter
- Rear power switch

* Weight may vary depending on configuration

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VMEBus International Trade Association

CompactPCI® backplanes are compliant to the latest PICMG® specification.
CompactPCI® and PICMG® are registered trademarks of the PCI Industrial Computers Manufacturers Group.
Hybricon, CoolSlot, Pac2000 are registered trademarks of Hybricon Corporation.
Patented CoolSlot® card guides:U.S. Patents 4,750,088 and 6,381,147

Ordering Guide: Cool-S 9-Slot Towers

PART NUMBER: COOL-	S	X	X	X-	XX-	X	X
STYLE (S) = Tower, 9 Slot**	S						
BUS ARCHITECTURE (C) = CompactPCI (V) = VME (X) = VME64 Extension		X					
SYSTEM SLOT (L) = Left (VME, VME64x, CPCI) (R) = Right (CPCI only)			X				
BACKPLANE OPTIONS (N) = VME/VME64x, or CPCI non-Hot Swap R2.1 (not available in new designs) (H) = H.110/Computer Telephony (CompactPCI only) (S) = Standard/Hot Swap PICMG R3.0 (CompactPCI only)				X-			
BACKPLANE SLOT COUNT (05, 07) = VME J1/J2 (04, 07, 09) = VME64x (03, 05, 08) = CompactPCI					XX-		
INPUT POWER (A) = 115VAC (B) = 220VAC						X	
POWER SUPPLIES (B) = Embedded ATX 300W (P) = Plug-in 350W*** (Max Backplane slots=7)							X

** No filler panels are provided in the front or rear card areas.
*** Recommended for hot-swap applications

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