

BENEFITS

- This extreme cooling rackmount chassis meets stringent ANSI/VITA 65 power and cooling requirements for conduction-cooled 3U OpenVPX modules
- Extreme cooling for 75W per slot per ANSI/VITA 65 OpenVPX
 - Maintains card cage rails at 55°C or below with power dissipation of 75W per slot at an ambient of 30°C and mean sea level per ANSI/VITA 65 OpenVPX
- Airflow: lower front air intake, rear exhaust for forced air over heat sinks for upper and lower conduction-cooled chassis rails
- Fan speed control reduces acoustic noise at low temperature
- Open VPX REDI designed to the latest ANSI/VITA 46.0, VITA 46.3, ANSI/VITA 46.10, ANSI/VITA 48.0, ANSI/48.1, AND ANSI/VITA 65 OpenVPX specifications
- Supports 3U 12-slot 1" pitch backplane with rear transition module support
 - 12-slot 3U Open VPX backplanes available
- Power supply configurations available for OpenVPX 12V-centric and 5V-centric module sets
- NEW! This chassis is now available with our new Gen-3 backplanes rated for 10.3 Gbaud!



RME9CC

9U OPENVPX FORCED AIR CONDUCTION-COOLED DEVELOPMENT CHASSIS



OVERVIEW

The RME9CC rackmount enclosure is a 9U high OpenVPX™ forced air conduction-cooled development chassis meeting the latest ANSI/VITA specifications. The RME9CC provides cooling for up to 75W per slot. This enclosure supports up to 12 slots of 3U 1" pitch payload cards and rear transition modules. It supports two different OpenVPX backplanes with high-speed switch fabric support for up to 10.3 Gbaud. 2600 watt power supply configurations are available for both 12V and 5V.

This chassis family is part of the industry-leading Atrenne's product line of high performance chassis and backplanes.

RME9CC

9U OPENVPX FORCED AIR CONDUCTION-COOLED DEVELOPMENT CHASSIS

TABLE 1: TECHNOLOGY OVERVIEW

PHYSICAL	
Width	18.96" (rack flanges)
Height	15.69" (9U)
Depth	19.53"
Weight	80 lbs
CONSTRUCTION	
Top & Bottom	0.063" thick aluminum
Side Panels	0.125" thick aluminum
Card Cage	Conduction-cooled machined aluminum
Rear Transition Card Guides	Molded plastic, Noryl N190X black
Rear Transition Tapped Strips	Carbon steel bar stock with zinc plating and supplementary chromate treatment
Power Supply (Per ANSI/VITA 65 OpenVPX 10 slot 3U Development Chassis Guidance)	<ul style="list-style-type: none"> · 12V- centric 1150W · +12V/VS1 @ 62.5A · +5V/VS3 @ 30A · +3.3V/VS2 @ 22.5A · +3.3VAUX @ 16A · +12VAUX @ 5A · -12VAUX @ 5A <ul style="list-style-type: none"> · 5V- Centric 1150W · +12V/VS1 @ 12.5A · +5V/VS3 @ 150A · +3.3V/VS2 @ 22.5A · +3.3VAUX @ 16A · +12VAUX @ 5A · -12VAUX @ 5A
Fan Trays	Upper and Lower fan trays provide cooling of conduction-cooled card cage rails by forcing air flow across upper and lower heat sinks
ENVIRONMENTAL	
Operating Temp.	0 to 40°C
Storage Temp.	-20 to +70°C
Altitude	0 to 5000 ft per VITA 65
Humidity	0 to 95% non condensing; conformal coating not included
Cooling	Maintains card cage rails at 55°C or below with power dissipation of 75W per slot at an ambient of 30°C and mean sea level per ANSI/VITA 65 OpenVPX
Safety	Designed to meet UL60950; CSA 22.2 #234; TÜV EN60950
EMC	Designed to meet FCC Part 15, Subpart J, Class A; CISPR 22, Class A (conducted emissions only, as conduction cooled card cage is not EMI sealed)
POWER/ELECTRICAL	
AC Input	110/220 VAC 20 A inlet (220 VAC for full power)
Backplane Connectors	MultiGig RT-2 per ANSI/VITA 46.0
Connector Pitch	1.0" per ANSI/VITA 48.2
Transmission Rate	10.3 Gbaud per ANSI/VITA 65 and VITA 68

TABLE 2: CHASSIS AND POWER SUPPLY CONFIGURATION OPTIONS

Configurations	BACKPLANE	POWER SUPPLY	OPENVPX PROFILE DIAGRAM
RME9CC-1B0VP12C1	3U VPX 12-slot OpenVPX BKP3-CEN12-15.2.6-3 6.25 Gbaud	2600W 12V-centric 30 A/220VAC	<p>024-901-12-CEN1-01 Gen-2 6.25 Gbaud</p>
RME9CC-1C0PV12C1		2600W 5V-centric 30 A/220VAC	
RME9CC-1B0VP09X1	3U VPX 9-slot OpenVPX Pass-thru 10.3 Gbaud - NEW!	2600W 12V-centric 30 A/220VAC	<p>024-901-09-X1G3-01 Gen-3 10.3 Gbaud</p>
RME9CC-1C0VP09X1		2600W 5V-centric 30 A/220VAC	

Note: Consult factory for other configuration

WARRANTY

This product has a one year warranty.

CONTACT INFORMATION

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