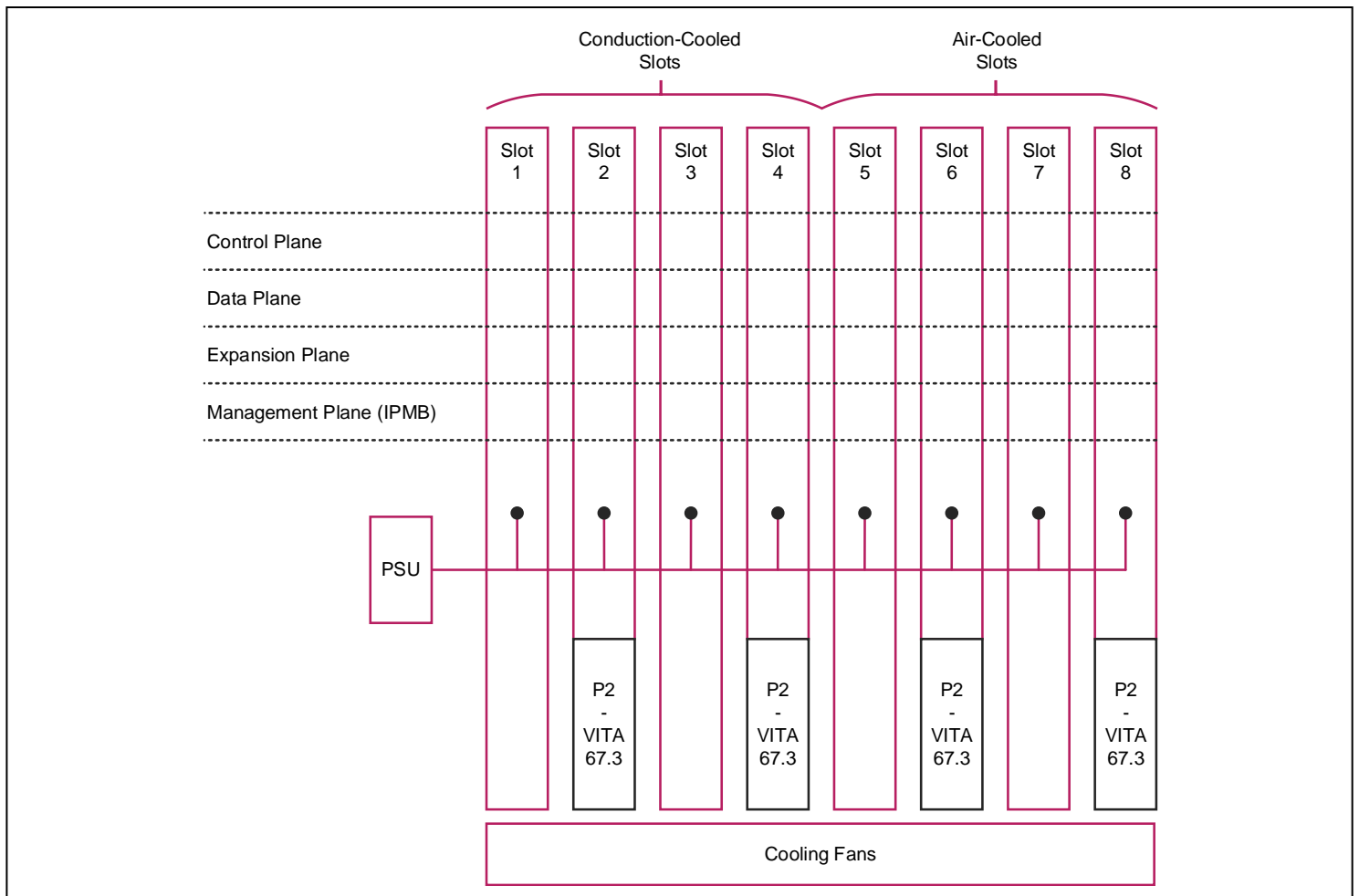# 8-Slot SOSA™ aligned 3U VPX™ Development System

Key Features

Vulcan is a ready-to-use solution for customers starting 3U VPX™ projects based on Intel® processor Plug In Cards (PICs).

- Supplied with built in AC power supply, uncommitted backplane, and cooling fans
- 8 slots for processor and peripheral boards
- Fabric connections with the Meritec® VPX3Plus® Cable System
- 100GBASE-KR4 support
- PCIe® Gen 4 support
- Supports 4x conduction-cooled PICs
- Supports 4x air-cooled PICs

Conduction-Cooled Slots | Air-Cooled Slots

	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8
Control Plane								
Data Plane								
Expansion Plane								
Management Plane (IPMB)								

PSU

P2 - VITA 67.3 (Slot 2) | P2 - VITA 67.3 (Slot 4) | P2 - VITA 67.3 (Slot 6) | P2 - VITA 67.3 (Slot 8)

Cooling Fans

Concurrent Technologies Plc — 4 Gilberd Court, Colchester, Essex, CO4 9WN, UK
Tel: +44 (0)1206 752626

Concurrent Technologies Inc. — 400 West Cummings Park, Suite 1300, Woburn, MA 01801, USA
Tel: (781) 933 5900

email:info@gocct.com   http://www.gocct.com

3U VPX Development System

- 3U VPX Development System:
    - 8x vertically mounted 3U VPX slots
    - cooling air intake at the front of the system
    - air exhaust at top of the system
    - convenient carrying handle
    - fan speed control knob
- VPX backplane provides:
    - 2x conduction-cooled slots with P2 aperture (VITA 65.0 14.2.16 slots)
    - 2x conduction-cooled slots without P2 aperture (VITA 65.0 14.6.11 slots)
    - 2x air-cooled slots with P2 aperture (VITA 65.0 14.2.16 slots)
    - 2x air-cooled slots without P2 aperture (VITA 65.0 14.6.11 slots)
    - conduction-cooled slots support Meritec VPX3Plus cable system
    - air-cooled slots support RTM connections
    - capable of 100GBASE-KR4
    - capable of PCIe Gen 4

Power Supply

- integrated 600W modular power supply:
    - +12 V output (100 A max)
    - +3.3 V_AUX output (37.8 A max)
    - rated power 600 W
    - AC 90-264 V, 47 Hz to 63 Hz input

Optional Accessories

- Meritec VPX3Plus Cables:
    - CB VPX/007-01 (Odd Fat Pipe cable for fabric interconnect)
    - CB VPX/007-02 (MP01 COM cable for Compute Intensive slot)
    - CB VPX/007-03 (MP01 COM cable for I/O Intensive slot)
    - CB VPX/007-04 (USB cable for I/O Intensive slot)
    - CB VPX/007-05 (RJ45 Ethernet cable for I/O Intensive slot)
    - CB VPX/007-06 (DisplayPort cable for I/O Intensive slot)
    - CB VPX/007-07 (Fat Pipe cable for fabric interconnect)
    - CB VPX/007-08 (Ultra-Thin Pipe Odd-Odd cable)
    - CB VPX/007-09 (Ultra-Thin Pipe Odd-Odd cable)
    - CB VPX/007-10 (Ultra-Thin Pipe Odd-Odd cable)
    - CB VPX/007-11 (Odd 9-wire hook-up cable)
    - CB VPX/007-12 (Odd 9-wire hook-up cable)

Environmental Specification

- operating temperatures:
    - +0°C to +55°C (operating)
    - -40°C to +70°C (non-operating)
- relative humidity, non-condensing:
    - 5% to 95%

Mechanical Specification

- chassis weight (unpopulated) 9.5 kg (21 lbs)
- 5HP (1.0-inch) backplane slot pitch supports:
    - 0.8-inch and 1.0-inch width boards
    - VITA 48.2 conduction cooled
- chassis dimensions:
    - total chassis height is 6U
    - width 227 mm (9")
    - depth 280 mm (11")

Please contact your local Concurrent Technologies sales office for further details on system options and accessories.

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