

AD01501



Prime Application

Adapting Alpha Data XMC processor cards into a SOSA aligned 14.6.11 slot profile for deployable 3U VPX systems.

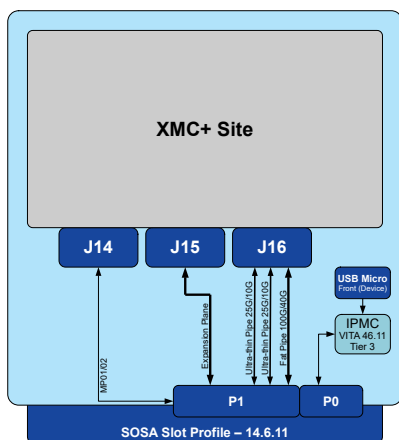
Summary

The **ADC-VX201** is a SOSA-aligned 3U VPX platform with a VITA 88 XMC+ compliant carrier slot which is backward compatible with traditional XMC.

The generic SOSA Aligned mapping fits Alpha Data's most popular XMC processor cards like the ADM-XRC-9Z1, ADM-XRC-9R1-B, ADM-XRC-KU1, and the ADM-XA210. By mapping the primary host interfaces to match SOSA requirements, and adding a compliant VITA 46.11 tier 3 IPMC system manager onboard, this product can greatly reduce time to market while simplifying software migrations and project planning.

Board Features

- SOSA Aligned
- SOSA Slot Profile – 14.6.11
- VITA 46.11 Tier 3 Platform Management
- VITA 88 XMC+
- Open VPX Compliance



Host Interface

XMC Dependent

Board Format

SOSA-Aligned 3U VPX XMC+ carrier
WxHxD = 100mm x 19.55mm x 160mm
Weight = 94gg

Input/Output Interfaces

VPX IPMC (P0)

2x I2C for System Monitor VITA 46.11 tier 3

VPX P1 HSSIO (P1)

1x 4 lane Fat pipe for 10/25/40/100G Ethernet
2x Ultra-thin pipe for 10/25G Ethernet
1x 8 lane Double fat pipe expansion plane
(Gen4x8 PCIe; 2x 100G Ethernet; JESD204; etc)

VPX P1 Low Speed (P1)

2x RS232 (MP01/MP02)

VPX Low Speed (P0)

2x REFCLK/AUXCLK input

Environmental Specification

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
CC1	-40°C	+85°C	-55°C	+100°C

Operating Humidity

Up to 95% (non-condensing)

Order Code: ADC-VX201(x)(a)

XMC Connector Type	x	/V88 = XMC+ (default) /V42 = XMC
Conformal Coating	a	Blank = No conformal coating /A = Acrylic /P = Polyurethane