OpenVPX™ VPX REDI

Features

LIQUID COOLED

- 3 Slot –3 Payload
- Intel i7-1185GRE
- 28V DC Input
- Design to Meet MIL-STD 810
- NVIDIA® Quadro® 5000 Ada (9728CUDA) or NVIDIA MXM RTX™ A4500 (5888CUDA)
- 500W Payload By Liquid Cooled
- Custom backplanes with VPX and SOSA aligned slot profiles
- Custom I/O options including MIL-STD Wiring & Connectors

7SL-3500
3U VPX LIQUID COOLING ATR

- The 7SL-3500 VPX System is a modular Military Rugged ATR enclosure, geared for 3U OpenVPX designs. The versatile design allows multiple customizable configurations based on proven components and design techniques. 7SL-3500 Hybrid conduction cold plate
- Assisted by liquid cooling sets with Aggregate power to 500W
- Custom and standard 3 slot backplanes with VPX and SOSA aligned slot profiles in combinations supporting high speed signal processing applications.
- Scalable to multi CPU-GPU requirements

7STARLAKE.com

7STARLAKE

SK830

3U VPX 3 Slots Backplane

- Compliant to VITA 46.0 baseline specification
- 3 Payload Slots VPX
- Single Star x4 (2 FPs) configuration for Data Plane
- PCB size 167.96 mm x 128.7 mm x 5.1 mm
- 7.5 HP from slot to slot (38.1 mm)
- Operating temperature: -40°C ~ +85°C
- Storage temperature: -55°C ~ +85°C

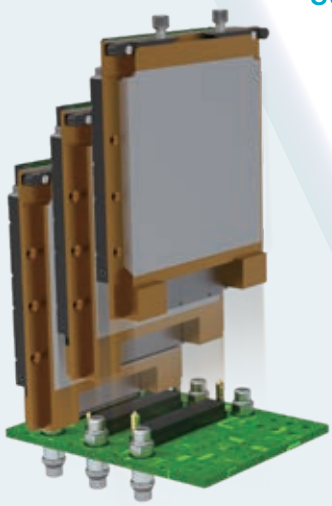
SK901-AD5000

3U VPX GPGPU Card
Support VITA 48.4-Liquid Flow Through (LFT) with NVIDIA 5000 Ada GPU

- 3U VPX Form Factor, Support VITA 48.4 - Liquid Flow Through (LFT)
- 1.5" Pitch (Liquid FLow Through), PCIe Gen 4 (x4 or x8 support)
- Thermal Capacity : 100W~200W Per Slot
- Method : Coolant flow through internal channels within the module
- Embedded GPGPU - NVIDIA Ada Lovelace™ Architecture 5000 Ada GPU
- 16GB GDDR6, 9728 CUDA Cores. 304 Tensor Cores. 76 RT Cores.
- SOSA-aligned Solution - Available with SOSA™ -aligned slot profiles and VITA standard

SK901-A4500

3U VPX GPGPU Card
Support VITA 48.4 - Liquid Flow Through (LFT) with NVIDIA A4500 GPU



- 3U VPX Form Factor, VITA 48.4 (Liquid Flow Through (LFT)
- 1.5" Pitch (Liquid FLow Through), PCIe Gen 4 (x4 or x8 support)
- Thermal Capacity : 100W~200W Per Slot
- Method : Coolant flow through internal channels within the module
- Embedded GPGPU – NVIDIA Ampere™ Architecture RTX A4500 GPU
- 16 GB GDDR6, 5,888 CUDA Cores. 184 Tensor Cores. 46 RT Cores.
- SOSA-aligned Solution - Available with SOSA™ -aligned slot profiles and VITA standard

7STARLAKE