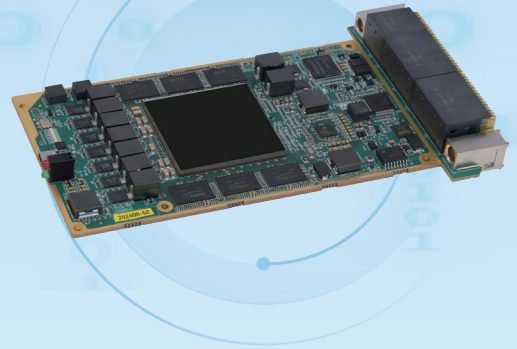


AIV3X Computer Card



Key Feature

- AI Performance: 176 TOPS INT8
- Memory & Storage: 48GB LPDDR4X, 128GB eMMC
- Video Decode: Supports 96x 1080P@30fps/12x4K@60fps H.264/H.265
- JPEG Decode: 4K@384fps (FHD@2048fps)
- Mechanical Specification: 3U VPX
- Supports conduction cooling and air cooling
- Power: $\leq 120W$
- Operating Temperature: $-40^{\circ}C \sim +65^{\circ}C$
- Input Voltage: DC 12V

Introduction

AIV3X is a high-performance industrial-grade edge AI intelligent computing card based on the Ascend 310P processor, capable of delivering up to 176 TOPS INT8 computing performance, meeting the requirements of edge AI inference application scenarios.

It adopts a 3U structural design, complies with the VPX board card requirements, and supports both conduction cooling and air cooling for heat dissipation.



Website



Military
vehicle-mounted



Intelligent Aircraft
System



Shipping



Automation in
industry

Specifications

AI Compute	176 TOPS INT8
GPU	DavinciV200 10Core
GPU Max Frequency	1.08 GHz
CPU	16core TaishanV200M ARMv8.2
CPU Max Frequency	1.9 GHz
Memory	48GB LPDDR4X
Storage	128GB EMMC
Encode/Decode	Video Encode: 24x 1080P@30fps/3x 4K@60fps H.264/H.265 Video Decode: 96x 1080P@30fps/12x4K@60fps H.264/H.265 JPEG Encode: 4K@192fps (FHD@1024fps) JPEG Decode: 4K@384fps (FHD@2048fps) supports up/down scaling, crop, Chroma up/down sampling, color space conversion (FHD 4320FPS)
High-Speed Interface	PCIe x16, compatible with PCIe x8
Other I/O	Type-C
Power	≤120W
Dimensions	169.3mm*100mm*18.4mm、172.7mm*100mm*24.6mm(With a cooling jacket)
Weight	738g(With a cooling jacket)
Temperature	-40°C~ +65°C
Input Voltage	DC 12V
OS	RC/EP

Dimensions

