

AWS Elemental MediaLive Anywhere Qualified Hardware Guide



PURPOSE

This guide describes hardware that has been qualified to run AWS Elemental MediaLive Anywhere.

GENERAL REMARKS

Hardware can be procured from AWS Partner Network Partners or other third parties. AWS Elemental is not responsible or liable for the underlying hardware running AWS Elemental MediaLive Anywhere.

A hardware platform is considered to be qualified if:

- AWS Elemental MediaLive Anywhere registration scripts install on target system using supported Fedora-based Linux distributions and runs on the hardware
- Hardware has passed AWS Elemental's in-house performance testing process
- Recommended specifications are the specific configurations used during qualification

Limitations

AWS Elemental cannot guarantee performance of the software. Variations in the listed core components on the hardware, such as CPU, Drives, Memory, BIOS configuration, etc. should not prevent the software from running, but they may affect performance.

AWS does not design or manufacture the qualified hardware. Users are responsible for ensuring that any hardware used in conjunction with our software complies with all applicable local laws, regulations, and certification requirements in their jurisdiction.

SDI Ingest Cards

Only AJA cards are supported. The total number of supported SDI inputs/cards on each respective system is dependent on the CPU selection and configuration of each channel. All supported cards are the short bracket (low profile) models. Below is a reference of each card's capabilities:

- AJA KONA 1 (1x SD/HD/3G-SDI, 1x LTC)
- AJA Corvid 88 (8x SD/HD/3G-SDI, 1x LTC)
- AJA Corvid 44 12G (4x SD/HD/3G/12G-SDI 1x LTC)

SMPTE ST 2110 Ingest Cards

Only Intel E810 Ethernet Controller based cards are supported. These cards must be installed on AMD Zen 4 based platforms. The recommended configurations include an OCP version of this card, which comes pre-installed in Dell PowerEdge R6615 and R6625 platforms.

- Intel E810-XXVDA4 OCP Quad Port (4x 1/10/25GbE)

Supported Platforms

Dell PowerEdge R360

- **Summary**

Onboard 2x 1GbE RJ45, 4x 10G SFP+ Ports

Supported AJA SDI Cards: KONA 1



- **Minimum Specifications**

CPU Intel Xeon E-2456

Memory 32 GB (2x 16 GB DDR5)

Storage 50 GB available space, SSD recommended

- **Recommended Specifications**

Additional configurations: 2x 16GB UDIMM 5600, BOSS-N1 w/ 2x 480GB NVMe, Riser Config 2, Redundant Power Supply (1+1), Appropriate Power Cords, iDRAC tier, Support, Regulator labels, FiberStore's Intel XL710-BM1

Dell PowerEdge R6615 & R6625

- **Summary**

Onboard 2x 1GbE RJ45, 4x 25G SFP28 Ports

Supported AJA SDI Cards: Corvid 88, Corvid 44 12G



- **Minimum Specifications**

CPU AMD EPYC 9124 or better

Memory Max channels recommended for best performance, 32 GB DDR5

Storage 50 GB available space, SSD recommended

Network (OCP Slot) Intel E810-XXVDA4

- **Recommended Specifications**

Chassis/CPU Combos: R6615/9124; R6615/9354P; R6625/2x9354; R6625/2x9654

Additional configurations (same per chassis/CPU combo): Diskless Configuration, No Backplane/Controller, 24x 16GB DDR5-4800, BOSS-N1 with 2 M.2 480GB (RAID 1), Riser Config 1, 3 x16 LP, Power Supply Redundant (1+1), Intel E810-XXVDA4 OCP Quad Port, Appropriate Power Cords, iDRAC tier, Support, Regulator labels

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Continued Supported Platforms

Dell Precision 3280 Compact

- **Summary**

Onboard 1x 1GbE RJ45

Supported AJA SDI Cards: KONA1

- **Minimum Specifications**

CPU	13th Gen Intel(R) Core(TM) i5-14500
Memory	16 GB (2x 8 GB DDR5)
Storage	50 GB available space, SSD recommended
PCIe Slot*	(Optional) AJA KONA1 Short Ingest card (KONA 1-S)

**Requires Riser Bracket for PCIe slot to be usable*



Minisforum MS-01

- **Summary**

S1390 Model

Onboard 2x 2.5GbE RJ45, 2x 10G SFP+ Ports

Supported AJA SDI Cards: KONA1

- **Minimum Specifications**

CPU	13th Gen Intel(R) Core(TM) i9-12900H
Memory	32 GB RAM
Storage	50 GB available space, SSD recommended
PCIe Slot*	(Optional) AJA KONA1 Short Ingest card (KONA 1-S)

**Backplate requires removal to install KONA card*



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SKU & I/O Matrix

SKU	Platform	CPU	PCIe Slot 1	PCIe Slot 2	PCIe Slot 3
90	Dell Precision 3280 Compact	Intel i9 14900			-
91	Dell Precision 3280 Compact	Intel i9 14900		AJA KONA 1	
902	Dell R360	Intel 2456	Intel X710-BM1		-
903	Dell R360	Intel 2456	Intel X710-BM1	AJA KONA 1	-
910	Dell R6615*	AMD 9124			
911	Dell R6615*	AMD 9124		AJA Corvid 88	
912	Dell R6615*	AMD 9124		AJA Corvid 88	AJA Corvid 88
915	Dell R6615*	AMD 9124		AJA KONA 1	AJA KONA 1
920	Dell R6615*	AMD 9354P			
921	Dell R6615*	AMD 9354P		AJA Corvid 88	
922	Dell R6615*	AMD 9354P		AJA Corvid 88	AJA Corvid 88
940	Dell R6625*	AMD 9354			
941	Dell R6625*	AMD 9354		AJACorvid88	
942	Dell R6625*	AMD 9354		AJA Corvid 88	AJA Corvid 88
943	Dell R6625*	AMD 9354		AJA Corvid 88	AJA Corvid 44 12G
980	Dell R6625*	AMD 9654			
981	Dell R6625*	AMD 9654		AJA Corvid 88	
982	Dell R6625*	AMD 9654		AJA Corvid 88	AJA Corvid 88
983	Dell R6625*	AMD 9654		AJA Corvid 88	AJA Corvid 44 12G
984	Dell R6625*	AMD 9654		AJA Corvid 44 12G	AJA Corvid 44 12G

*Recommended configuration includes OCP version of Intel E810 network card for SMPTE 2110 ingest.