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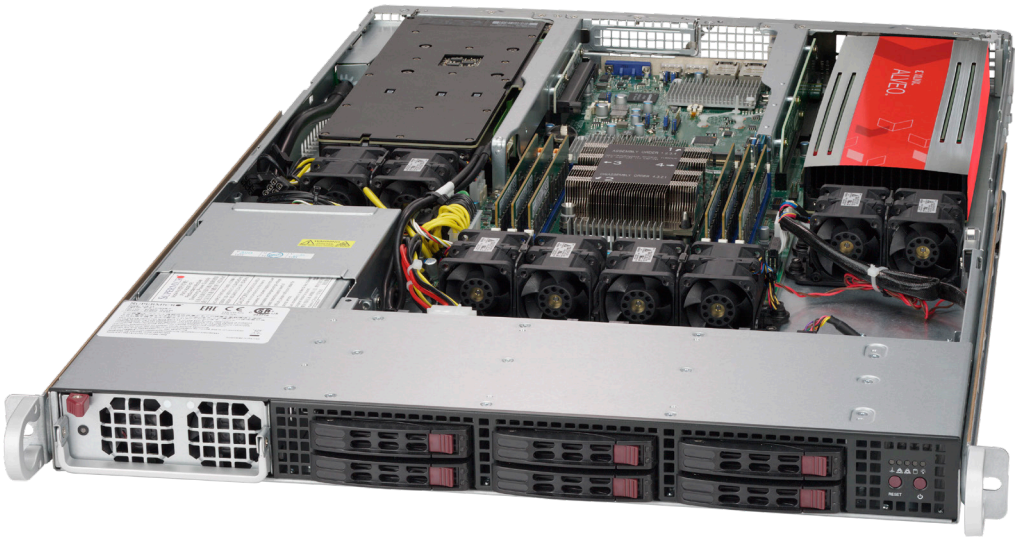
KEY FEATURES

- 1U rack mount chassis
- Ultra-density transcoding
- Codec agnostic
- Easy deployment



V-NOVA XILINX SUPERMICRO

BOSTON STREAM+

PERFECT FOR LARGE-SCALE ULTRA-DENSITY VIDEO ENCODING

Hyperscale video services like social and e-sports networks need to encode and serve vast numbers of streams to their users. The server infrastructure required to satisfy this demand is often the largest cost for these businesses. The Boston Stream+ configured with a Xilinx Alveo controller and V-Nova's P+ software enables any service operating private cloud to radically transform their efficiency, reducing operating costs by up to 4x whilst improving the streaming quality-of-service for their users. Furthermore, public or private clouds can deploy the Boston Stream+ as an ultra-dense encoding solution to offer significant quality and cost benefits to their video delivery customers.

The Boston Stream+ utilises the unique video encoding technology from V-Nova's P+ that significantly enhances the quality and throughput of any standard encoder such as AVC/H.264, HEVC, VP9, and – in the future - AV1. This ultra-high density encoding solution, enables use cases such as live 4Kp60 encoding.

NETWORKING

We have a range of switches and transceivers. Get in touch with our sales team to discuss your requirements.

LEASING

All of our hardware and services are available to lease. Get in touch with our sales team to discuss your requirements.

GLOBAL SUPPORT & WARRANTY

Our after sales support team are on hand to answer any queries and provide warranty support services.

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Boston Limited has been providing cutting edge technology since 1992. Our high performance, mission-critical server and storage solutions can be tailored for each specific client, helping you to create your ideal solution.

From the initial specification, solution design and even full custom branding.

"WE CAN HELP YOU SOLVE YOUR TOUGHEST BUSINESS CHALLENGES SIMPLY AND EFFECTIVELY."

VISIT: BOSTON.CO.UK

SYSTEM SPECIFICATIONS

MODEL	BOSTON STREAM+
FORM FACTOR	1U
CHIPSET	Intel® C621
PROCESSOR SUPPORT	Single socket P (LGA 3647) supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake/Skylake)
MEMORY	48GB DDR4 ECC UDIMM 2666MHz
ADD-ON CARD	1x Xilinx Alveo U200 Adaptable Accelerator Card
DRIVE SUPPORT	6x Fixed 2.5" SATA (2x 240GB SSD's installed) 2x M.2 PCIe 3.0 x4 in 2280 form factor
NETWORK CONNECTIVITY	Intel® Dual port 10GBase-T (RJ45) from X550 2x full frame DCI 4K inputs and outputs via 12G-SDI
SOFTWARE	V-Nova P+
POWER SUPPLY	1400W 80 Plus Platinum Efficiency PSU

Customised configurations are also available - contact us to discuss your requirements.

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