



AMAZING MEDIA. FASTER.



Intel® Visual Compute Accelerator VCA

For Emerging 4K/UHD,
H.265 Transcode / Video Delivery Markets

The Intel® Visual Compute Accelerator combines the capabilities of the Intel® Iris™ Pro graphics within the Intel® Xeon® processor E3-1200 v4 and the power of the Intel® Xeon® processor E5-2600 v3 family. Designed around visual computing workloads, this PCIe* add-in card can handle the high end 4K/High Efficiency Video Coding (HEVC) transcoding jobs as well as many simultaneous Advanced Video Coding (AVC) jobs. Built for cloud service providers, telco service providers and broadcasters who need media transcoding acceleration for the growing video market.

Outstanding Performance / Power

- Full access to integrated processor and graphics processing unit (GPU) for best quality and performance
- Real time HEVC and AVC transcode performance delivered at low cost and power

Flexible and portable software architecture

- Virtual network allows host and card to communicate seamlessly
- Strong ISV ecosystem for ease of solution deployment

Fits within Intel® Xeon® Processor E5 infrastructure

- Multiple 1U and 2U server system options from several OEMs and Intel® Server Systems
- PCIe* Gen3 x16 enables fast communication between host and adapter



SPECIFICATIONS

Intel® Visual Compute Accelerator	Details
Form Factor	Full-length, full-height, double-width PCIe* card
CPU	Intel® Xeon® processor E3-LV4, 47W TDP, 2.9GHz, 4 cores
Graphics	Intel® Iris™ Pro graphics P6300 (GT3e), 128MB eDRAM
PCH	LynxPoint-H* PCH per CPU
Memory	DDR3L (1.35V), ECC SODIMMs, 2 channels per CPU, up to 32GB per CPU
PCI Express* Configuration	Gen3, x16, 4 lanes per CPU
BIOS	16MB SPI Flash
Operating System Support	CentOS* 7.1, Xen* or KVM support, if using hypervisor

PROCESSOR SPECIFICATIONS

Processor	Details
Processor Number	E3-LV4
# of Cores	4
Processor Base Frequency	2.9 GHz
Max Turbo Frequency	3.8 GHz
TDP	47 W
Max Memory Size <i>(dependent on memory type)</i>	32 GB
ECC Memory Supported	Yes
Processor Graphics	Intel® Iris™ Pro Graphics P6300
Graphics Base Frequency	300 MHz
Graphics Max Dynamic Frequency	1.15 GHz
Graphics Video Max Memory	16 GB
Execution Units	48
Intel® Quick Sync Video	Yes

ORDER CODES

Order Code	Type	Description
VCA1283LVV	PCIe Card	PCIe add-in-card with 3 x Intel Xeon processor E3-LV4

For more information on the Intel® Visual Compute Accelerator visit: intelservedge.com/intelvca

For product specifications visit: ark.intel.com

Results have been estimated or simulated using internal Intel analysis or architecture simulation or modeling, and provided to you for informational purposes. Any differences in your system hardware, software or configuration may affect your actual performance.

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at ark.intel.com

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