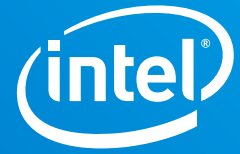


# PRODUCT BRIEF

Dense Media Transcode and 3D Remote Graphics  
Intel® Visual Compute Accelerator



# Amazing Media—Faster

## Intel® Visual Compute Accelerator (Intel® VCA)



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 high end HEVC transcoding, dense AVC transcoding, and 3D Remote Graphics rendering. Built for cloud service providers, telco service providers and datacenters who need media and graphics acceleration for the growing cloud-based visual computing markets.

### Outstanding Performance/Power

- Full access to integrated processor and graphics processing unit (GPU) for best quality and performance
- Real time HEVC and AVC transcode and 3D Graphics rendering 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, 235 W TDP
CPU	3 x Intel® Xeon® processor E3-LV4, 47W TDP, 2.9 GHz, 4 cores
Graphics	Intel® Iris™ Pro graphics P6300 (GT3e), 128 MB eDRAM
PCH	LynxPoint-H* PCH per CPU
Memory	DDR3L (1.35V), ECC SODIMMs, 2 channels per CPU, up to 32 GB per CPU
PCI Express* Configuration	Gen3, x16, 4 lanes per CPU
BIOS	16 MB SPI Flash
Operating System Support	CentOS* 7.2, 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	47W
Max Memory Size (dependent on memory type)	32 GB
ECC Memory Supported	Yes
Processor Graphics	Intel® Iris™ Pro Graphics P6300
Graphics Base Frequency	300 MHz
Graphics Max Dynamic Frequency	1.0 GHz
Graphics Video Max Memory	16 GB
Execution Units	48
Intel® QuickSync 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: <https://www.intel.com/content/www/us/en/servers/media-and-graphics/visual-compute-accelerator.html?wapkw=vca>

For product specifications visit: [ark.intel.com](http://ark.intel.com)



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