![intel]

OPTIMIZE VIDEO DELIVERY

INTEL®
ACCELERATORS

SUPERCHARGE YOUR MEDIA AND GRAPHICS WORKLOADS.

The Intel® Visual Compute Accelerator is designed to optimize video delivery (transcoding and encoding). This new product is the ideal media and graphics solution bringing together the power of Intel® Xeon® Processor E5 with the graphics performance of Intel® Xeon® Processor E3 within one system along with flexible software architecture enabling software vendors to write applications quicker for many different graphics workloads.

Intel® Product Quick Reference Matrix

Q2 2019

Intel® Visual Compute Accelerator 2

SUPERCHARGE YOUR MEDIA AND GRAPHICS WORKLOADS

The Intel® Visual Compute Accelerator 2 is the second generation PCI Express* card containing three Intel® Xeon® Processors E3 v5 designed to deliver cutting edge rendering performance per watt for graphics intensive workloads.[1] For OTT content providers and telecommunications service providers, Intel® VCA 2 takes the next step in transcode density, adding HEVC encode into the Quick Sync Video portfolio of accelerated codecs.

In the enterprise domain, security concerns and worker mobility are driving the need for cloud-based remote workstations, while at same time, applications such as AutoCad* are consuming ever more graphics processing cycles.

The accelerator card provides customers:

- Best-in-class media transcode channel density for Intel® Xeon® processor E5-based systems in communications service provider deployments

- High performance remote graphics for Intel® Xeon® processor E5-based systems in purpose-built clouds and IT datacenters

PRODUCT NAME	INTEL® VISUAL COMPUTE ACCELERATOR
ORDER CODE	VCA1585LMV
TARGET MARKET	Comms SPs, Video Cloud Builders (Private Cloud), Enterprise Datacenter
PROCESSORS	Three Intel® Xeon® Processor E3-1585L v5 • 4 Cores at 3.0 GHz • 45W TDP • Intel® Iris™ Pro graphics P580 (GT4e), 128MB eDRAM
FORM FACTOR	Full-length, full-height, double-width PCIe* card
PCI	PCIe* 3.0, x16, 8 lanes per processor
POWER	235W
MEMORY	DDR4 2133MHz (1.2V), ECC SODIMMs, 2 channels per processor, up to 64GB per processor
SSD's	Not included
OPERATING SYSTEM ON CARD	CentOS* 7.2, Windows* 10 and Windows Server* 2016 Xen* and KVM hypervisors

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