



Product Selection Guide

Data Center Accelerator Cards



Breathe New Life
into Your Data Center

Alveo Data Center Accelerator Cards

	Product Name	Alveo U200	Alveo U250
Dimensions	Width	Dual Slot	Dual Slot
	Form Factor, Passive	Full Height, ¾ Length	Full Height, ¾ Length
	Form Factor, Active	Full Height, Full Length	Full Height, Full Length
	Weight (Passive/Active)	1066g/1122g	1066g/1122g
Off-Chip Memory	Format	4x 16GB 72b DIMM DDR4	4x 16GB 72b DIMM DDR4
	Total Size	64GB	64GB
	Max DDR4 Data Rate	2400MT/s	2400MT/s
	Total Bandwidth	77GB/s	77GB/s
Internal SRAM	Total Capacity	35MB	54MB
	Total Bandwidth	31TB/s	38TB/s
Interfaces	PCI Express®	Gen3 x16	Gen3 x16
	Network Interface	2x QSFP28	2x QSFP28
Power and Thermal	Thermal Cooling	Passive, Active	Passive, Active
	Typical Power	100W	110W
	Maximum Power	225W	225W
Logic Resources	Look-Up Tables	892K	1,341K
	Registers	1,831K	2,749K
	DSP Slices	5,867	11,508
Compute Performance	INT8 TOPs	18.6	33.3
	Machine Learning	Machine Learning Solution Brief	
	Adaptive Bitrate Transcoding	Adaptive Bitrate Transcoding Solution Brief	

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Alveo Data Center Accelerator Cards Ordering Information



A

Product Name
Alveo

U###

Card Name
U200
U250

P

Cooling
P: Passive
A: Active

64G

Memory
64G: 64GB

PQ

Solution Qualification
ESx: Engineering sample, not
qualified for volume production
PQ: Fully qualified for volume
production

G

RoHS Indicator
G: RoHS 6/6

Go to the Alveo Data Center accelerator cards landing page for more information:

<http://www.xilinx.com/alveo>

Verify all data in this document with the device data sheets or product guides found at www.xilinx.com