

Cadalyst Labs Workstation Review Specifications

Velocity Micro

ProMagix HD80

www.velocitymicro.com

888.300.4450

Cadalyst Rating: A, Highly Recommended

Estimated street price, as delivered	\$3,299 as configured; starts at \$1,869
Dimensions (HxWxD in inches)	17.75" H x 18.8 H x 7.25 W
Weight (lbs)	23lbs
CPU type	Intel Core i7 5820K
CPU speed	4.3 GHz.
L3 cache-size/speed	256 kB x 6 L2 / 15 MB L3
Motherboard vendor	Gigabyte
Motherboard model	X99-UD4
Memory type/speed	Crucial Ballistix DDR4-2400
Memory, as tested and max	16 GB/ 64 GB Max
Memory sockets, total/free	8 Total DIMMS/4 Free
Supports ECC memory?	When configured with a Xeon Processor
System BIOS, date	F12 8.17 MB 2015/01/29
Power supply vendor	EVGA Bronze 80+
Power supply capacity	600W
Hard drive vendor	Intel
Hard drive type	SDD/HDD
Hard drive size	400 GB (available in 1.2 TB)
Sound card	No
Pointing device	Mouse
Graphics bus (AGP, PCI-Express)	PCI-Express 3.0
Expansion slots provided (PCI-Express/PCI/PCI-ISA/ISA)	7 PCI-e /0 PCI /0 PCI-ISA/ 0 ISA)
Expansion slots filled (PCI-Express/PCI/PCI-ISA/ISA)	2
Drive bays accessible (5.25"/3.5"/2.5")	1x5.25/5x3.5/2.5
Drive bays internal (5.25"/3.5"/2.5")	5 total: 5x3.5/2.5
I/O ports (e.g. USB/version, FireWire, Thunderbolt, eSATA, serial, analog audio, digital audio, media card reader, etc>	2 USB 3.0, headphone, mic on top of case; 6 USB 3.0 and 4 USB 2.0, S/PDIF, 2 PS/2, 5 Analog audio in rear.
Network card/modem	Intel® GbE LAN chips (10/100/1000 Mbit)
GPU type (integrated or discrete/add-in)	Discrete
Graphics card bus (AGP/PCI)	PCI Express 2.0 x 16
Graphics card model	NVIDIA Quadro K4200
Graphics card onboard memory	4-GB GDDR5
Graphic card driver version	10.18.13.5330

Graphics card 3D resolution, maximum	3,840 x 2,160
Special AutoCAD driver/version	NA
Warranty: labor/parts/on-site (months)	One year with purchase; three years for extra cost of \$399
24-hour replacement parts?	No
24-hour telephone support?	Available with VelocityCare warranty for \$99
Return policy/restocking fee	30 days, 15% Restocking Fee
Is product certified for use with CAD-related software applications? Yes/No	No
CADALYST REVIEW RESULTS	
C2015 (1,920 x 1,280)	
Total Index	669
3D Index	1,581
2D Index	454
Disk Index	333
CPU Index	308
SPECviewperf 12 (1,920x1,080)	
catia-04	70.17
creo-01	56.32
energy-01	2.90
maya-04	57.88
medical-01	21.18
showcase-01	37.60
snx-02	64.36
sw-02	103.23
SPECwpc	
Rodinia	4.13
CalculiX	1.96
WPCcfd	3.05
IOMeter (x10)	46.36
Catia-04	4.45
Showcase-01	3.65
SNX-02	3.48
SW-03	4.96
General Operations	5.96
7Zip	2.93
Python	2.41
Octave	1.85
IOMeter (x10)	96.82

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