

Cadalyst Labs Workstation Review

MAINGEAR

Quantum F131

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www.maingear.com

Cadalyst Rating: B+

Estimated street price, as delivered	\$3,988
Dimensions (HxWxD in inches)	19" x 9.25" x 11.25"
Weight (lbs)	27 lbs
CPU type	Intel i7 4790K
CPU speed	4.0/4.4 GHz Stock/Turbo, Overclocked to 4.7 GHz
L2 cache-size/speed	L3 8 MB
Motherboard vendor	Asus
Motherboard model	Gryphon Z97
Memory type/speed	DDR3/1,600
Memory, as tested and max	16 GB/32 GB
Memory sockets, total/free	2/4
Supports ECC memory?	No
Power supply vendor	Corsair
Power supply capacity	600W
Hard drive vendor	Samsung/Seagate
Hard drive type	SSD/HDD
Hard drive size	250GB/3TB
Expansion slots provided (PCI-Express/PCI/PCI-ISA/ISA)	2 PCI-E x16
Pointing device	1 PCI-E x16 (electrical x4)
Graphics bus (AGP, PCI-Express)	1 PCI-E x1
Expansion slots filled (PCI-Express/PCI/PCI-ISA/ISA)	1 PCI-E x16
Drive bays accessible (5.25"/3.5"/2.5")	1 3.5" HDD Hotswap Bay
Drive bays internal (5.25"/3.5"/2.5")	2 3.5" HDD
Drive bays internal (5.25"/3.5"/2.5")	1 2.5" SSD
USB Ports (2.x/3.x)/Firewire	6 USB 3.0, 4 USB 2.0
Graphics card model	NVIDIA Quadro K5200
Graphics card onboard memory	8 GB GDDR5
Graphic card driver version	347.88
Graphics card 3D resolution, maximum	3,840 x 2,160 @ 60Hz – 32-bit color
Special AutoCAD driver/version	N /A

Warranty: labor/parts/on-site (months)	Lifetime/12 (36 months available for extra fee) parts/on-site
24-hour replacement parts?	N/A
24-hour telephone support?	N/A
Return policy/restocking fee	30 days/ 15%
Is product certified for use with CAD-related software applications? Yes/No	No
CADALYST REVIEW RESULTS	
Cadalyst C2015 (1,920 x 1,280)	
Total Index	750
3D Index	1759
2D Index	506
Disk Index	402
CPU Index	333
SPECviewperf 12 (1,920 x 1,080)	
catia-04	105.42
creo-01	80.25
energy-01	38.3
maya-04	76.56
medical-01	31.54
showcase-01	50.18
snx-02	83.4
sw-03	136.23
SPECwpc	
Composite	4.21
CalculiX	2.62
WPCcfd	1.92
IOMeter (x10)	2.531
Catia-04	6.7
Showcase-01	5
SNX-02	4.56
SW-03	6.64