

Cadalyst Labs Mobile Workstation Review Spec Sheet

MSI Computer

WT72 20M

<http://us.msi.com>

626.913.0828

Cadalyst Rating: B+

Estimated street price, as delivered including standard delivery	\$2,299
Dimensions (HxWxD in inches)	1.89" x 11.57" x 16.85"
Weight (lbs)	8.4 lbs
CPU type	Intel Core i7-4720HQ
CPU speed	2.6 GHz to 3.6 GHz w/ Turbo Boost
L2 cache-size/speed	6 MB, 5 GT/s
Chipset	Intel HM87
Motherboard vendor	MSI
Motherboard model	MS-1781
Memory type/speed	16 GB (8 GB x2) DDR3L 1,600 MHz
Memory, as tested and max	16 GB as tested; 32 GB max
Memory sockets, total/free	4 total/2 free
Supports ECC memory?	No
System BIOS, date	E1781IMS.110 / 2015/7/27
Power supply vendor	Delta
Power supply capacity	Output: 19V DC, 230 W; input: 100–240V AC, 50/60 Hz universal
Hard drive vendor	KINGSTON (SSD) / HGST (HDD)
Hard drive type	128-GB M.2 SSD + 1TB HDD (7,200 RPM)
Hard drive size	128-GB SSD + 1 TB
DVD-ROM drive speeds	Blu-ray Disc Burner
Sound card or chip	Sound Blaster Cinema 2
Pointing device	Touchpad
Drive bays internal (5.25"/3.5"/2.5")	One 2.5"
I/O Ports (2.x/3.x Firewire, Serial, Parallel, MIDI, etc)	4 x USB 3.0, 2 x USB 3.1, Sound Blaster Cinema 2
Network card/modem	Intel Dual Band Wireless-AC 7260, Killer E2200 Game Networking
Graphics card bus (AGP/PCI)	PCIe
Graphics card model	NVIDIA Quadro K2200M
Graphics card chipset	Kepler
Graphics card onboard memory	2-GB GDDR5

Graphic card driver version	9.18.13.4505
Graphics card resolution, maximum	4K (external monitor) 1,920 x 1,080
Colors/refresh rate at maximum resolution	32 bpp
Special AutoCAD driver/version	345.05/AutoCAD 2015
Warranty: labor/parts/on-site (months)	Two-year warranty/no on-site
24-hour replacement parts?	No
24-hour telephone support?	Yes
Is product certified for use with CAD-related software applications? Yes/No	Yes
For which vendors/applications?	SolidWorks, AutoCAD; contact company for more information.
CADALYST REVIEW RESULTS	
C2015 with AutoCAD 2016 (1,280 x 1,024; true-color)	
Total Index	603
3D Index	1,457
2D Index	394
Disk Index	310
CPU Index	251
SPECViewperf 12 (1,920 x 1,080; true-color)	
catia-04	48.23
creo-01	41.01
energy-01	0.81
maya-04	38.99
medical-01	15.09
showcase-01	22.74
snx-02	34.27
sw-03	78.45
SPECwpc	
Composite	2.86
RodiniaCFD	2
CalculiX	1.49
WPCcfd	1.77
IOMeter (x10)	14.1
Catia-04	3.01
Showcase-01	2.19
SNX-02	1.85
SW-03	3.66
General Operations	
Composite	4.24
7Zip	3.73
Python	1.59
Octave	1.53
IOMeter (x10)	35.46