

PowerStation-CR-P620-i5

The Hawc PowerStation-CLR-P-i5 is a powerful desktop workstation for client visualization up to 5K resolutions and H.265 (HEVC) decoding or as video recording station with place for two 3.5" HDD's. The Hawc-PowerStation can support multiple video streams over 4 DisplayPort interfaces. Based on an Intel Coffee Lake Refresh i5 platform and powered with a Nvidia P620 graphics card the Hawc-PowerStation offers a great price vs performance in a stylish and silent chassis. An integrated 1TB HDD allows to archive images and exports locally. The Hawc PowerStation-CR-P-i5 comes standard with one 1Gb LAN ports, a 2.5Gb LAN interface and Dual band Wi-Fi and Bluetooth adapter allowing you to setup multiple of network configurations in an instance. The Hawc-PowerStation-series boot very fast thanks to SSD technology and offers full protection against viruses, malware and unauthorized software installation by use of the Microsoft Lockdown Features.



Specifications

Model name	PowerStation-CR-P620-i5
Chassis Model	Desktop Midi tower
Chipset	Intel H470
Processor	i5-10500
Memory	2 x 8GB DDR4 2666 MHz DRAM (Dual Channel), Up to 64GB Max
Graphics	Intel integrated + P620 (2GB)
Network interface	1 x Gb LAN + 2.5Gb LAN + Dual Band 802.11ac Wifi + BT v4.2
Video interfaces	4 x mini-DP 1.4 (P620) + 1 x DP + 1 x HDMI
Audio Interfaces	Front: Mic + headphone, Rear: line-out/mic/speakers
Communication interfaces	Front: 2 x USB 3.1, 2 x USB 2.0 Rear: 1 x USB 3.2 Gen1 Type-A Port 4 x USB 3.2 Gen2 Ports 2 x USB 2.0 1 x PS/2 combo
Storage type and size	240 GB M.2 (OS) + 1TB HDD (Storage) (2 x 3.5" bays available)
Operating system	Windows 10 IoT Enterprise
Power input/supply	90-240V AC, single supply 550W Bronze 88%
Power Consumption	Average with 1 x P620: 75W/ Maximum with 1 x P620: 120W
Chassis dimensions (HxWxD)	413 x 210 x 412 mm
Weight	7,5 Kg (minimal configuration)
Operating temperature	0°C – 40°C

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Benchmarking results

I5-10500 + 1 x P620	Using Milestone Professional Plus Edition
Camera view at 2MP, H.264 @ 25FPS	35 Channels Max
Camera view at 8MP, H.264 @ 20FPS	12 Channels Max
Camera view at 8MP, H.265 @ 20FPS	16 Channels Max

All tests performed on a 4K monitor. The number of channels increases on monitors with a lower resolution.

In the box (P620)

1 x PowerStation-CL2-P620
1 x mini-DP to DP adapter
1 x mini-DP to DVI adapter
2 x Wifi Antennas
1 x Power cord

PN's and options

PowerStation-CL2-P620-i5	Desktop Video Station with i5, 16GB, 1 x Quadro P620
PS-CL-P2-16GB-Upgrade	Upgrade 16GB DRAM, 32GB Total for PowerStation-CL and Plus II
PS-CL-P2-64GB-Total	Upgrade to 64GB DRAM Total for PowerStation-CL and Plus II - Factory upgrade only
mDP-HD-Adapter	Adapter from mini-DisplayPort to HDMI
mDP-DP-Adapter	Adapter from mini-DisplayPort to DisplayPort
mDP-DVI-Adapter	Adapter from mini-DisplayPort to DVI-I
mDP-VGA-Adapter	Adapter from mini-DisplayPort to VGA