



## *Acer Veriton P workstations – Ultimate Computing and Rendering*

Built for the largest workloads and data sets, Veriton P workstations come in a range of performance to ensure optimal power to get the job done. With models supporting both single and dual-processor configurations, and up to three professional grade graphics cards, the Veriton P range is sure to satisfy a robust range of computing and rendering needs. Availability is assured with built-in RAID technologies, and the capacity to install up to four hard drives.

### **Meeting professional demands**

Acer Veriton workstations bring enterprise-class performance to individual users. Made for designers, engineers and research professionals, our workstations put maximum computing and 3D graphics power in a reliable design capable of running 24/7.

### **Veriton P Series workstations**

Acer workstations give intensive computer users the multi-core power, graphics performance, and rock-solid stability they need for demanding applications like 3D animation, CAD and digital imaging. Enterprise-level expandability and redundancy allow these users to tackle even the largest projects with confidence.

### **Professional-grade graphics**

NVIDIA® Quadro® graphics offer optimized, highly-reliable 3D rendering to professional users with support for more than 150 applications across a broad range of industries, including manufacturing, media and entertainment, research and sciences, and energy.

For users looking for 2D performance and multi-display support, the NVIDIA NVS™ graphics cards are optimized for handling professional displays and multiple desktops. Ideal for digital signage, call centers, financial analysis, and much more, Acer workstations with NVIDIA NVS can power a robust range of professional display demands.






explore beyond limits™

### Why workstations?

Workstations provide optimized solutions for professional users with optimized performance for their 3D applications. By pairing server level components with enterprise grade 3D rendering hardware, Acer workstations are able to outperform the best PCs in terms of real performance benefits. The ViewPerf 11.0 benchmark – a collection of 8 common professional applications – demonstrates the real performance of a workstation versus a standard high-end PC. Though not a true ‘apple-to-apple’ comparison, the below results are telling of the differences between a product which is optimized for gaming versus one that is optimized to professional 3D rendering applications.

Benchmark <sup>1</sup>	Acer Predator G7760	Veriton P330 F2
Catia-03	2.26	74.65
Ensign-04	3.09	79.51
Lightwave-01	4.66	74.86
Maya-03	1.83	123.83
ProE-05	1.02	15.85
SW-02	4.10	64.35
TCVIS-02	0.83	71.49
SNX-01	6.19	80.44

### Model overview

	Veriton P130 F3	Veriton P330 F2	Veriton P530 F2
			
Processor type	Intel Xeon E3 processors	Intel Xeon E5 processors	Intel Xeon E5 processors
Processor number of support	1	1	2
Memory DIMM support	4 DDR3 DIMMs (unbuffered)	8 DDR3 DIMMs (registered / unbuffered)	16 DDR3 DIMMs (registered / unbuffered)
Max Memory	32 GB DDR3	128 GB DDR3	256 GB DDR3
Storage support	4 x 3.5" hard drives	4 x 3.5" hard drives Optional 4 x 2.5" hard drives	4 x 3.5" hard drives Optional 4 x 2.5" hard drives
Max number of graphics cards	1	2	2
Supported graphics cards	Mid-range 3D NVIDIA Quadro 4000 NVIDIA Quadro 2000  Entry 3D NVIDIA Quadro 600 NVIDIA Quadro 400 NVIDIA GeForce 605 NVIDIA GeForce GT620  Professional 2D NVIDIA NVS 310 NVIDIA NVS 450	High End 3D NVIDIA Quadro 6000 NVIDIA Quadro K5000 NVIDIA Quadro 5000  Mid-range 3D NVIDIA Quadro 4000 NVIDIA Quadro 2000  Entry 3D NVIDIA Quadro 600 NVIDIA Quadro 400  Professional 2D NVIDIA NVS 300 NVIDIA Tesla® K20c	High End 3D NVIDIA Quadro 6000 NVIDIA Quadro K5000 NVIDIA Quadro 5000  Mid-range 3D NVIDIA Quadro 4000 NVIDIA Quadro 2000  Entry 3D NVIDIA Quadro 600 NVIDIA Quadro 400  Professional 2D NVIDIA NVS 300 NVIDIA Tesla® K20c
GPU support	N/A	NVIDIA Tesla® K20c	NVIDIA Tesla® K20c
Power supply	500W 80 PLUS® Gold-level	900W 80 PLUS® Gold-level	900W 80 PLUS® Gold-level

<sup>1</sup> The Acer Predator G7760 used the AMD Radeon HD5750, while the Veriton P330 F2 used the NVIDIA Quadro K5000.

Capable of scaling to meet various needs, the Veriton P workstations are an optimal platform for a wide range of usage scenarios and industries. Though not an exact reference, the below sizing chart lists suggested pairings based on application workload for the Veriton P workstations.

Application type	Veriton P130 F3	Veriton P330 F2	Veriton P530 F2
Layout and digital design	✓		
Computer Aided Design (CAD)	✓	✓	
Computer Aided engineering (CAE, Simulation)	✓	✓	✓
Post processing, Visualization (VIS) and Virtual Reality (VR)		✓	✓
Digital Content Creation (DCC)		✓	✓
Geographic Information Systems (GIS)		✓	✓
Electronic Design Automation (EDA)		✓	✓
Financial Services and Analysis (FSA)	✓	✓	



### Display greatness

Acer workstations are perfectly paired with Acer's line of professional display products – the Acer B6 series monitors. Developed to provide the most photo-realistic color experience possible, these high-performance monitors enable designers and engineers to capture their true works before expensive manufacturing is carried out – saving time and money for companies of all sizes.

<b>Available display sizes</b>	19" (16:10) / 21.5" (16:9) / 24" (16:9) / 27" (16:9)
<b>Maximum resolution and refresh rate</b>	1920 x 1080 @ 60 Hz (QHD 2560 X 1440 available on B276HUL)
<b>Glare</b>	0 glare, opaque display
<b>Response time</b>	8 ms - on/off (can be as low as 5 ms)
<b>Contrast ratio (ACM)</b>	100 million:1 max
<b>Max brightness</b>	350 cd/m <sup>2</sup>
<b>Max viewing angle (CR=10)</b>	178° (H), 178° (V)
<b>Colors</b>	16.7 million
<b>Bits</b>	6-bit + Hi-FRC
<b>Input signal</b>	VGA / DVI / Display Port
<b>VESA wall mount</b>	100 x 100 mm
<b>Speaker</b>	Optional
<b>Power supply</b>	Internal (100 V – 240 V)

Product specifications can vary by model, please consult the model specifications for more detailed information

