

Model A6106H Blade PC Workstation

Power User Blade PC with 4th Generation Core™ i7 and i5



ClearCube® A6106H Blade PCs provide IT organizations with the ability to address the needs of power users by utilizing the robust features of 4th generation Intel® Core™ i7 and i5 series processors, Intel® Q87 PCH chipsets (Haswell), DDR3-1600 memory, PCI Express® graphics, a variety of choices of SSD/SED/SATA drives and on-board dual Ethernet connections. A6106H Blade PC's high density rack mount platform features ten Blade PCs in 6U rack space and offers the widest range of 1:1 PCoIP/GPU options available.

Dual Display over IP

With integrated PCoIP host adapters, A6106H Blade PCs utilize NVIDIA Quadro K420 graphics processing units (GPUs) to support dual displays. For the majority of knowledge and medium power users, this economical configuration will deliver user satisfaction for thick client use cases (legacy apps, in-house developed apps, mission-critical apps), not possible to satisfy with virtual desktops.

For CAD, GIS, and other graphics-intensive applications, a range of 3D GPU configuration options include powerful dual-display NVIDIA Quadro K2200 and Quadro K4200 high-performance GPU adapters within A6106H. Each Quadro adapter features 4GB GDDR5 GPU memory. Using ClearCube CDx922/24 zero clients, dual displays are supported at 1920x1200 resolutions. Single display support is up to 2560x1600 resolutions.

Quad Display over IP

A6106H Blade PCs deliver a fantastic high-end PC experience over an IP network. Connecting to ClearCube CD9742 (copper) or CD7742 (fiber) PCoIP Zero Clients, A6106H Blade PC supports up to four 1920x1200 resolution monitors or dual 2560x1600 monitors using an NVIDIA Quadro K1200 with simultaneous full screen, full motion video. Quadro K1200 also has 4GB GDDR5 GPU memory.

Dedicated 1:1 performance

Dual display support @
2560 x 1600

Quad display support @
1920 x 1200

Versatile, High-Density,
High-Performance Platform

10 Blade PCs in 6U



Managed Blade PCs

Keeping data securely in the datacenter is the key benefit of using Blade PCs. In addition to increased security, other benefits include better management, increased lifespan, and quicker return to service. Ten front-removable A6106H Blade PCs fit into a 6U, A3100 chassis. Hard drive options include SSDs for the highest performance, SEDs to meet security mandates, and SATA for economy.

Simple Management and Connection Brokering

A6106H Blade PCs provide full desktop performance while increasing security and manageability of assets and data. ClearCube Sentral™ management software provides IT administrators with total control of their entire centralized infrastructure—from Blade PCs to virtual desktops—locally or remotely. The management suite provides server-level availability (99.9% uptime) for end user computing using a blade pooling configuration that allows users to broker connections to spare blades in the event of primary blade failure. This capability results in a return-to-service in seconds. A6106H Blade PCs integration of Intel Active Management Technology (AMT) 9.1 allows network administrators to remotely manage power up/down/reset, access and change BIOS settings remotely, and redirect the Blade PC's I/O via console redirection. Hard resets of the blades can be performed by the end user from the zero client desktop without administrator intervention.

Specifications

A6106H Blade PC Specifications	
General:	Intel Q87 PCH Chipset Two Integrated Intel PRO 10/100/1000 Ethernet Ports- IIPIT (Intel Identity Protection Technology) Secure management through Intel Active Management Technology v 9.1 Intel Trusted Execution Technology (Intel TXT) Intel Advanced Encryption Standard New Instructions (Intel AES-NI) Supports Trusted Platform Module 1.2, Infineon SLB9655 Supports Intel Virtualization Technology - CPU specific. Front status LEDs (power/standby, HDD activity)
Components:	Haswell Refresh Intel's 4th Generation Intel® Core™ i7/i5 processors CPU speed up to 4.0 GHz Up to TWO SATA 3.0 6 Gbps HDD or SSD, SATA RAID 0, RAID 1 DDR3-1600 MHz @1.5V, DIMM x 4, 32GB (Non-ECC) Supports Microsoft® Windows 7, Windows 8, Linux
Connections:	Inside chassis - Half Mini card support (mPCIe x1) Bench top (for service/configuration only) - USB Two USB 2.0 Chassis side, Two USB 3.0 Chassis side - Two RJ45 : 10/100/1000 Ethernet on back panel - One DVI and one DisplayPort
Power Supply:	300 W
Dimensions:	L 29.3 in., W 10.0 in., H 1.63 in., (74.4 cm x 25.4 cm x 4.1 cm) 10 blades fit in single 6U chassis (standard 19" rack width)
Weight:	15 pounds (6.82 kg) TBD and varies depending on configuration.
Environment:	Stationary office installation, 0° to 35° C



A6106H Blade PC Order Information	
GA6106H	Model A6106H Blade G0900348 A6106H Base Blade
Graphics Options:	G0800265 Quadro K420, Dual PCoIP Host Adapter V5422 G0800266 Quadro K2200, Dual PCoIP Host Adapter V5422 G0800267 Quadro K4200, Dual PCoIP Host Adapter V5422 G0800270 Quadro K1200, Quad PCoIP Host Adapter V5442 G0800268 Quadro K2200, Quad PCoIP Host Adapter V5442 G0800269 Quadro K4200, Quad PCoIP Host Adapter V5442
Storage Options:	G9100020-180 SSD 180GB SATA 6.0 MLC G9100021-256 SSD 256GB SATA 6.0 MLC G9100021-500 HDD 500GB 5400 RPM SATA 3.0 G9100021-550 SSHD 500GB Hybrid SATA 6.0 G9100022-500 SED 500GB 5400 RPM SATA 3.0 16MB G911021-605 SSHD 1TB 5400 RPM SATA 6.0 64MB

A3100 Chassis with 10 A6106H Blade PCs



Ordering Information

Please call us for configuration options for the A6106H Blade PCs.

Voice: 512.652.3500
Toll Free: 866.652.3500
Fax: 512.652.3501