



Blade PC Workstation

Model A6108E



High-performance computing solution for power users with robust graphics applications needs.

ClearCube® A6108E Blade PCs enable IT organizations to give power users the dynamic features they need to run CAD/CAM/GIS/3D applications, by featuring 10th Generation Intel® Core™ Coffee Lake processors up to i9, Intel Q470 chipsets, 64GB of memory, NVIDIA® Quadro GPUs, two hot-swappable drive 2.5" bays that support Intel RSD Raid, dual or quad 1:1 PCoIP® host cards and dual Gigabit Ethernet connections. For users who have long term support requirements A6108E Blade PCs features motherboards and processors from Intel's embedded roadmap.

Robust Desktop Experience Over IP

ClearCube Blade PCs deliver true workstation performance in a datacenter optimized platform. Our A6108E workstations are designed for robust performance and efficiency by combining Intel 10th Gen Core™ i5/i7/i9 processors, the latest NVIDIA single-wide P400, P1000, P2200 or P4000 GPU and remote display protocol acceleration to deliver a remarkable high-end PC experience over an IP network.

Working with ClearCube fiber and copper zero clients, A6108E Blade PCs support up to two 4K displays, and USB redirection over the network using the PCoIP protocol. Although all the CPU/GPU processing is datacenter host-rendered, power users will receive the same robust performance benefits of desktop PCs or workstations but without the noise, heat, cable clutter, and security risks with the benefit of the computer being close to the data.

Benefits



Powered by Intel® 10th Generation (Coffee Lake) Core™ i9/i7/i5



Dual 4k monitor support for high-performance multimedia



High-density rack mount platform puts 10 Blade PCs in a 6U rack space



TPM 2.0 and UEFI 2.7 BIOS to meet the latest DoD requirements for Windows 10 support



Embedded system to meet long term support requirements

Unparalleled Data and Intellectual Property Security

Protecting data and eliminating the chances of unauthorized access are two important considerations in enterprises these days. The A6108E Blade PCs serve as a local workstation for a dynamic PC performance to end-users across the network, ensuring your data and intellectual property is always secure in the datacenter. Users connect to their A6108E blade PC using PCoIP protocol and a secure zero client at the desktop. No data travels across the IP connection – only pixel change updates are sent to the displays.



With zero clients, zero means no operating system, addressable memory, or storage device at a user's desktop. The PCoIP host card gives users the freedom to work wherever they want while enjoying the same performance they would at their desks. As a result, only authorized users can access certain data based on log-in and permission attributes—remote connections are secure and intellectual property is safeguarded.

The A6108E integrated Trusted Platform Module (TPM 2.0) and UEFI 2.7 BIOS with secure remote boot capability meets the latest US Department of Defense requirements for Windows 10 support. This provides IT administrators everything they need for safe and powerful deployments and performance in mission and business-critical applications.



Improved Management, Serviceability, and Accessibility

A6108E Blade PCs offer enhanced productivity, ease of installation, and superior serviceability. The display connector and USB ports on the front panel enable administrators to connect an additional display and peripherals for diagnostics, maintenance, or mass storage devices for imaging. Additionally, dual front-accessible bays allow administrators to hot-swap, remove or access hard drives without disrupting users.

Using Intel's Active Management Technology (AMT) 9.2, administrators can remotely manage workstation power functions (power up, power down, and reset), access and change BIOS settings remotely, and perform serial-over-LAN (SOL) and storage redirection.

A6108E Specifications

Form Factor

6U rackmount; 10 workstations fit in one standard, 19-inch rack width

Processor

Intel® 10th Generation (Coffee Lake) Core™ i9/i7/i5

DIMM Sizes

8GB, 16GB, 32GB

GPU/Host Card Options*

Quadro P400 + PCoIP Dual Host Card
Quadro P1000 + PCoIP Dual/Quad Host Card
Quadro P2200 + PCoIP Dual/Quad Host Card
Quadro P4000 + PCoIP Dual/Quad Host Card

Management

Secure management through Intel Active Management Technology v 9.2

Gross Weight

15 lbs (6.82 kg)

Dimensions

26.3" (L) x 10" (H) x 1.63" (W);
74.4 cm (L) x 25.4 cm (H) x 4.1 cm (W)

Operating Temperature

0°C to 35°C (50°F to 95°F)

Operating Relative Humidity

8% to 90% (non-condensing)

Chassis

A3100 chassis

*Note: Dual host cards can deliver up to two monitors at 1920 x 1200 or one monitor at 4k resolution (15FPS). Quad host cards can deliver up to four monitors at 1920 x 1200 or two monitors at 4k resolution (15FPS).

Description

Embedded A6018 Blade PC

Chipset

Intel® Q470

Memory Capacity/Type

DDR4 SO-DIMM x 2 up to 64GB

Storage

x1 PCIe3.0 NVMe M.2 up to 2Tb
x2 SATAIII 2.5" Hot swap SSDs up to 4Tb

Connections

Front: USB 2.0 x 2
DisplayPort x 1
Chassis: USB 2.0 x2
RJ45 GIGABIT LAN x2
RJ45 Dedicated PCoIP x1

Security

Intel Advanced Encryption Standard New Instructions (Intel AES-NI)
Trusted Platform Module (TPM 2.0)
Intel Trusted Execution Technology (Intel TXT)
UEFI 2.7 BIOS

Power Supply

80+ Gold rated 350W PSU

AC Voltage

100-240 V, 50-60 Hz

Operating System

Microsoft® Windows 10
No operating system (Linux® Ready)

Part Number

G0806108-E



Industries



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Ordering Information

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