



# k-Space Controller Specifications

**April 2022**

The following pages document the integrated controller configurations offered for use with k-Space metrology tools. Rackmount and desktop controllers are built in-house to ensure the best performance with our products. Laptop controllers are also available with compatible systems for portability. Please contact us at [requestinfo@k-space.com](mailto:requestinfo@k-space.com) or (734) 426-7977 for additional details.

Disclaimer: The specifications listed below in no way constitute a binding sales agreement. The components of shipped controllers may be subject to slight variation. The components of shipped controllers are subject to variation from that listed here, especially in the current climate of semiconductor device shortages.



## kCPU-A3U – 3U Rackmount Controller

**Case:** iStarUSA D-300-PFS-DE3BL 3U Rackmount Case

**Operating System:** Windows 10 Professional - 64bit

**Processor:** Intel 8th Gen Core i5-8400, Hex Core @ 2.8 GHz (4.0 GHz turbo) or AMD equivalent

**Memory:** 16GB (2 x 8GB) DDR4 3000 SDRAM

**Internal Hard Drive:** 1TB Solid State Drive

**Graphics:** Dedicated Graphics Card with Support for Multiple Displays

**Optical Drive:** None

**Power Supply:** 650W Modular Power Supply

**Motherboard:** GIGABYTE Z370 HD3 / GIGABYTE Z370 HD3P

\*A second factory imaged backup SSD is provided with all computers purchased with systems.

\*\*An optical drive can be added on request to supporting configurations for an additional charge.





## kCPU-A4U – 4U Rackmount Controller

**Case:** CHENBRO RM42200-1 4U Rackmount Case

**Operating System:** Windows 10 Professional - 64bit

**Processor:** Intel 8th Gen Core i5-8400, Hex Core @ 2.8 GHz (4.0 GHz turbo) or AMD equivalent

**Memory:** 16GB (2 x 8GB) DDR4 3000 SDRAM

**Internal Hard Drive:** 1TB Solid State Drive

**Graphics:** Dedicated Graphics Card with Support for Multiple Displays

**Optical Drive:** None\*

**Power Supply:** 650W Modular Power Supply

**Motherboard:** GIGABYTE Z370 HD3 / GIGABYTE Z370 HD3P

\*A second factory imaged backup SSD is provided with all computers purchased with systems.

\*\*An optical drive can be added on request to supporting configurations for an additional charge.





## kCPU-DT – Desktop Controller

**Case:** Corsair Mid-Tower Desktop Case

**Operating System:** Windows 10 Professional - 64bit

**Processor:** Intel 8th Gen Core i5-8400, Hex Core @ 2.8 GHz (4.0 GHz turbo) or AMD equivalent

**Memory:** 16GB (2 x 8GB) DDR4 3000 SDRAM

**Internal Hard Drive:** 1TB Solid State Drive

**Graphics:** Dedicated Graphics Card with Support for Multiple Displays

**Optical Drive:** None

**Power Supply:** 650W Modular Power Supply

**Motherboard:** GIGABYTE Z370 HD3 / GIGABYTE Z370 HD3P

\*A second factory imaged backup SSD is provided with all computers purchased with systems.

\*\*An optical drive can be added on request to supporting configurations for an additional charge.





## **kNB-LLT – Laptop Controller**

Laptops ordered will have the following or better:

**Operating System:** Windows 11 Professional

**Processor:** i5 or better

**Memory:** 16GB

**Internal Hard Drive:** 512 HDD or SSD

**Screen:** 15.6”

\*Note: Not all kSA systems can be configured with a laptop controller.

\*\* Specifications subject to change.



## Monitor, Mouse and Keyboard

All desktop and rackmount computers ship with a monitor, mouse and keyboard. The following specifications are for the standard monitor, keyboard, mouse that is included with kSA computers. Specifications may be subject to slight variation without warning. The products supplied will be equal or better than the specifications listed below.

### Monitor

**Size:** 22"

**Resolution:** 1680 x 1050 @ 60hz

**Flat Panel Mount Interface:** VESA (100mm)

**Panel Weight (for mounting):** 3kg / 6.61 lbs

**Connectivity:**

1 x DP (ver 1.2)

1 x HDMI (ver 1.4)

1 x VGA

1 x USB 3.0 port - Upstream

2 x USB 3.0 ports - Side

2X USB 2.0 - bottom

### Mouse

**Buttons:** 2 Buttons + Scroll Wheel

**Interface:** Wired - USB

**Sensor Type:** Optical - 1000 dpi

**Cable Length:** 6 ft

### Keyboard

**Layout:** Standard Size 104 Key - QWERTY

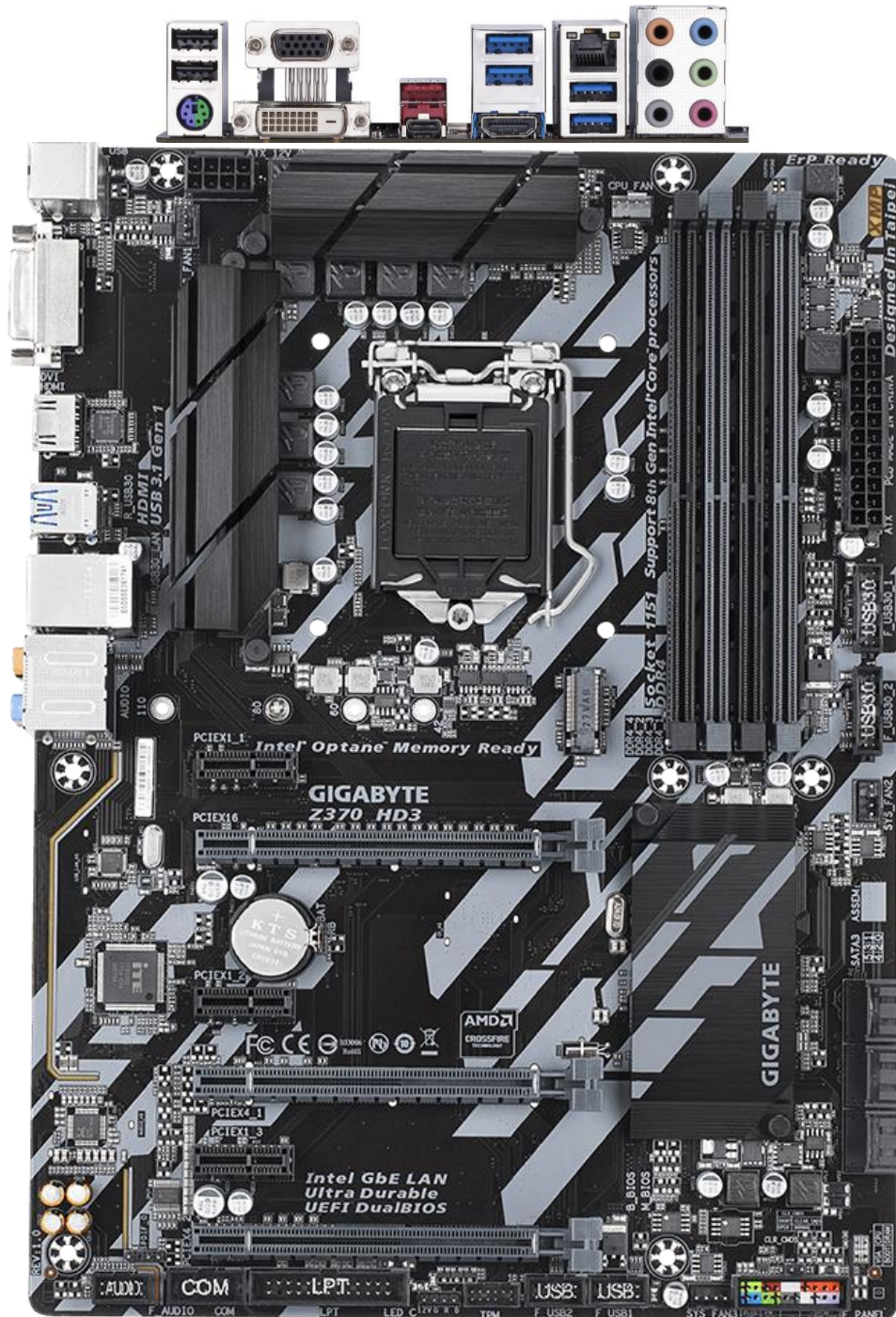
**Interface:** Wired - USB

**Dimensions:** 17.4 in x 5 in x 1 in



## GIGABYTE Z370 HD3 Motherboard

Standard Motherboard supplied with kSA Desktop and Rackmount Controllers.





## GIGABYTE Z370 HD3P Motherboard

\*Note: This motherboard is supplied with systems that require PCI connectivity at the time of purchase.

