

# Colossus

## Specifications



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The Colossus is an 86" 4K Ultra HD multitouch table large enough for engaging group interaction. It features industry-leading projected capacitive touch technology with support for 40 touch points. The Colossus is equipped with a powerful integrated Intel™ 8th Gen Core processor, the latest NVIDIA™ discrete graphics cards, single push-button power, and can be upgraded with additional storage.





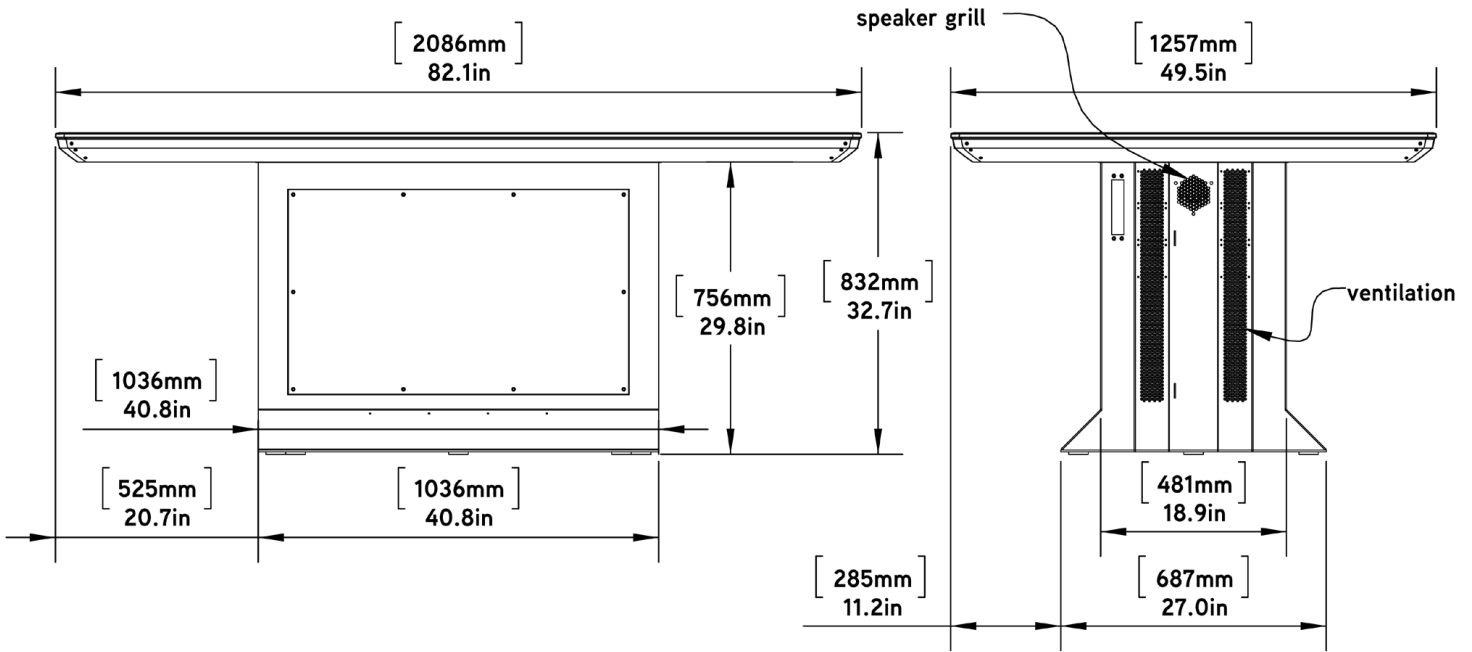
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The Colossus' beautiful design is also incredibly tough. Its sleek lines are forged out of aircraft-grade aluminum and covered with a durable powder coat. The Colossus is quality-built in the USA, and ships as a complete, turnkey system with lockable, push-button operation. Just plug it in and turn it on. It doesn't require a technician or any special installation setup. All of Ideum's hardware is backed by a three-year manufacturer's warranty.

# 86"

**WEIGHT (APPROX)**  
**450 LBS / 204 KG**

**SHIP WEIGHT (APPROX)**  
**850 LBS / 386 KG**



## Interactive Display

- 86" IPS LED display 500 cd/m<sup>2</sup>
- 3840x2160 60Hz screen
- Projected-capacitive touch
- <16ms touch response time
- 40 simultaneous touch points
- 6mm ultra-clear tempered glass
- Native contrast ratio 1200:1
- 500 nit (cd/m<sup>2</sup>) luminance

## Integrated PC System

- Single push-button power
- Custom lockable enclosure
- Windows 10 (default), 8.1, or 7
- Universal 110-240V power system
- Stereo amplifier with two 90W Yamaha speakers

### COLOSSUS

- Intel 8th Gen Core i7-8700 Six Core processor
- GTX 1080 8GB DDR5X NVIDIA graphics card
- 32GB 2400MHz DDR4 RAM
- Dual 250GB NVMe M.2 SSD in RAID 0 with upgradable storage options

### COLOSSUS LAB

- Intel 8th Gen Core i9-7900X Ten Core processor
- GTX 1080TI 11GB DDR5X NVIDIA graphics card
- Dual 250GB NVMe M.2 SSD in RAID 0 with upgradable storage options
- 64GB 2400MHz DDR4 RAM with upgradable additional RAM
- Full ATX Motherboard with additional PCIe slots for customization options

## Connectivity

- TPM/TPP compatible for secure environments
- WiFi 802.11 a/b/g/n/ac, Ethernet
- Bluetooth 5
- RFID or NFC reader
- Wireless keyboard with integrated trackpad
- Direct access via USB ports
- Audio output via 1/8" audio jack
- HDMI Output (PC)

# Customization

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## Color



Available in hundreds of RAL color and finish options. (+ 2-4 weeks additional lead time)

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## Custom Computer



Tell us your dream Windows computer configuration and we'll build it. (+ 2-4 weeks additional lead time)

The Colossus, Pano, Pro, Platform, and Coffee Table touch tables, and the Portrait and Presenter touch walls from Ideum are designed, manufactured, and assembled in the USA.

Compliant with height requirements for the Americans with Disabilities Act standards for accessibility.

# Software

Ideum uses innovative software design to tell stories that evoke wonder and spur curiosity about the world around us. Our expertise in a broad range of programming environments allows our work to span the realms of informal and formal education, interactive technology, gaming, art, and entertainment.



## Tangible Authoring

**Ideum multitouch tables support the Tangible Engine 1.5 object recognition SDK.**

Tangible Engine 1.5 is an authoring environment supporting the use of fiducial object recognition on Ideum multitouch tables. This software allows for the unique recognition of objects with 3D printed conductive patterns. Available for purchase, Tangible Engine 1.5 includes test objects, a Visualizer / Configurator Tool, an SDK, and documentation for the software and for printing unique 3D object. Pricing and more information can be found at: [tangibleengine.com](http://tangibleengine.com)



## Multitouch Authoring

**Ideum multitouch products include a free, lifetime license of GestureWorks 2.**

GestureWorks 2 is a multitouch authoring solution that works with C++ and Unity3D. It has nine basic built-in gestures but supports hundred more using the extensible Gesture Markup Language. Licenses include ticketed, timely support\*, and free upgrades for life. More information can be found at: [gestureworks.com](http://gestureworks.com)



## RFID Utility

**Ideum multitouch products include an RFID utility for enhanced functionality.**

Our new and improved RFID software allows you to automate system tasks, launch and switch applications, and more with a single movement. This useful utility is free for Ideum touch table owners. Learn more at: [ideum.com/news/rfid-reader-app](http://ideum.com/news/rfid-reader-app)

*\*Support hours provide dedicated time to troubleshoot any issues that may pertain to our software. Four hours of support are included free. Support hours are valid for the first year of purchase only. Additional annual support packages can be purchased as needed at an additional price. However, the Pro and Site Licenses are lifetime licenses. Please see our License Agreement for full details: <http://gestureworks.com/legal>*

# About Ideum

Ideum is a creative company based in Corrales, New Mexico. We offer exhibit design and software development services to museums, nonprofits, and socially responsible companies. Please contact us at (505) 792-1110 ext.1 or toll free in the US and Canada (855) 898-6824, use our online inquiry form, or email us at [sales@ideum.com](mailto:sales@ideum.com). Our multitouch products are sold domestically and internationally.

## WARRANTY & SUPPORT

Our products are custom built with only the highest-quality components available and are designed to last. We back all of our hardware with a three-year warranty. The same people who design and build our systems provide our timely support.

IMPORTANT NOTICE TO PURCHASER: Specifications are subject to change without notice. Ideum hardware and software are warranted from the ship date to the period stated in the warranty. Please note that under Ideum's warranty, Ideum has no obligation for any hardware product that is modified or damaged through misuse, accident, neglect, or subsequent integration, service, or tampering, by anyone other than Ideum or an Ideum-approved entity or individual. Ideum makes no additional warranties, express or implied, including but not limited to any fitness for a particular purpose. The User is responsible for determining whether Ideum hardware products or software are fit for the

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