



Colossus 86"

Specification Sheet



TAA
COMPLIANT

COLOSSUS SPEC SHEET v3.0 / U.S. Patent No. 10225509 / EFFECTIVE 4/12/2023
Specifications are subject to change without notice.



The Colossus is an 86" 4K Ultra HD multitouch table large enough for engaging group interaction. It features projected capacitive touch technology with support for 40 simultaneous touch points and an LG 4K Ultra HD commercial monitor rated 24/7. The Colossus has support for tangible object recognition.

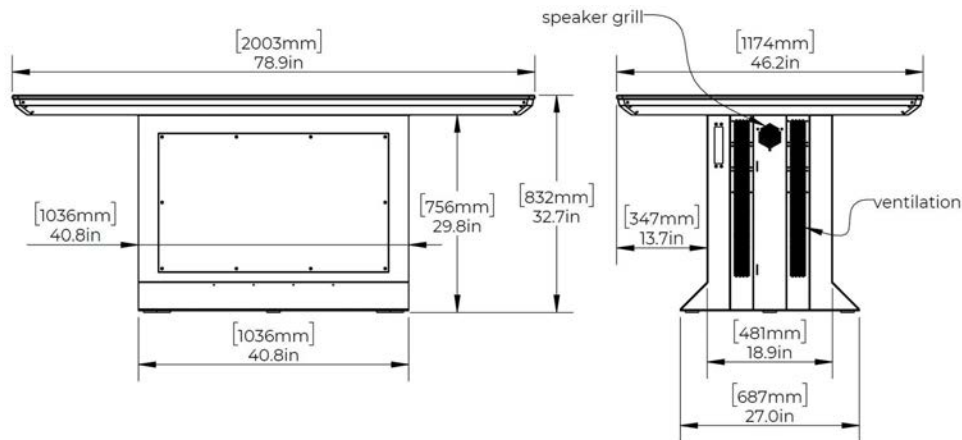


The Colossus features a powerful integrated Intel™ 12th Gen Core processor, the latest NVIDIA™ discrete graphics card, and locking push-button operation. The Colossus comes standard with Windows 11 Pro and can run any supported PC applications.

The Colossus is built with an aluminum chassis and frame covered with a durable powder coat. Ideum displays use a patented manufacturing method. Designed and built in the USA, it ships as a complete, turnkey system with lockable, push-button operation. It doesn't require a technician or any special installation setup—just plug it in and turn it on. All of Ideum's hardware is backed by our three-year warranty.



This remarkable touch table is in some of the world's busiest museums, including the Smithsonian National Air and Space Museum, the Smithsonian National Museum of the American Indian, and the Smithsonian Cooper Hewitt Design Museum.



WEIGHT
450 LBS
204 KG*

SHIP WEIGHT
850 LBS
386 KG*

**Weights may vary slightly.*

Interactive Display

- › 86" LG 4K UHD commercial display
- › 3840x2160 60Hz screen
- › Zytronic projected-capacitive touch
- › <16ms touch response time
- › 40 simultaneous touch points
- › 6mm ultra-clear tempered glass
- › Native contrast ratio 1200:1
- › 500 nit (cd/m²) luminance
- › LG Commercial Display rated 24/7

Integrated System

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> › Single push-button power › Custom lockable enclosure › Windows 11 Pro › Universal 110-240V power system › Stereo amplifier with two 90W Yamaha speakers › 4 amps or 400 W at max load, approximately 1 amp at idle. | <p>STANDARD</p> <ul style="list-style-type: none"> › Intel 12th Gen Core i7-12700K processor › RTX A4000 16GB NVIDIA graphics card › Dual 250GB NVMe M.2 SSD › 32GB DDR4 RAM | <p>ULTIMATE</p> <ul style="list-style-type: none"> › X Series Core i9-10980 XE processor › RTX A6000 24GB NVIDIA graphics card › Dual 2TB NVMe M.2 SSD › 256GB DDR4 RAM › Optional liquid cooled system |
|--|---|---|

Connectivity

- › TPM/TPP compatible for secure environments
- › WiFi 802.11 a/b/g/n/ac, Ethernet, Bluetooth 5.0
- › Wireless keyboard with integrated trackpad
- › Direct access via USB ports
- › Audio output via 1/8" audio jack
- › HDMI Output (PC)
- › RFID (optional)
- › Communication hardware can be removed upon request for secure environments

Customizations



Colors and Finishes

Available in hundreds of RAL color and finish options. (1-2 weeks additional lead time.)



Ultimate Computer Upgrade

- › X Series Core i9-10980XE 3GHz 18-Core processor
- › RTX A6000 NVIDIA graphics card
- › Dual 2TB NVMe M.2 SSD
- › 256GB DDR4 RAM
- › Optional liquid cooled system

Software



The Colossus touch table comes with Windows 11 Pro and supports PC applications. Applications that are optimized for touch work best.

Ideum offers custom software development. We have experience developing interactive applications, mostly for public spaces. Our expertise in a broad range of programming environments allows our work to span the realms of informal and formal education, interactive technology, art, and entertainment.

ALSO AVAILABLE



Tangible Authoring

Ideum multitouch tables support the Tangible Engine object recognition SDK.

Tangible Engine 2 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. Tangible Engine 2 includes test objects, a Visualizer / Configurator Tool, an SDK, and documentation.

Pricing and more information can be found at: tangibleengine.com



RFID Utility

Ideum multitouch products include an optional 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



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About IDEUM

Ideum is a creative company based in Corrales, New Mexico, USA. We offer exhibit design, AV, 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 at (855) 898-6824, use our online [inquiry form](#), or email us at sales@ideum.com. We sell our multitouch tables and displays directly both in the United States 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.

Ticketing: support.ideum.com

Email: support@ideum.com

Phone: (505) 792-1110 ext. 2

Support Hours: 8:00 AM – 5:00 PM MST, Monday through Friday.

The Colossus, Pano, Pro, Platform, Drafting, Pico, and Inline touch tables and the Portrait and Presenter touch walls from Ideum are designed, manufactured, and made in the USA of U.S. and imported parts.



Compliant with height and reach requirements for the Americans with Disabilities Act standards for accessibility. Learn more about Ideum's commitment to accessibility at www.ideum.com/ada

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