

# BrightLink® 685Wi WXGA 3LCD Ultra Short-throw Interactive Display



Optional wall mount not included.

Interactive Displays

Education



205 Westwood Ave, Long Branch, NJ 07740  
Phone: 866-94 BOARDS (26273) / (732)-222-1511  
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

## Pen-based WXGA ultra short-throw interactive display for classrooms.

**Bright display** — 3,500 lumens color/white brightness<sup>1</sup>

**Pen-based interactivity** — turn almost any wall or existing whiteboard interactive; allows up to two users to write and draw at once, anywhere on the image area

**Wirelessly connect up to 50 devices** — simultaneously share and control content from up to four screens at once using Moderator software<sup>2</sup>; including Chromebook<sup>™</sup>, PC, Mac<sup>®</sup>, iOS<sup>®</sup> and Android<sup>™</sup> devices

**Easy content sharing** — share images between the big screen and wirelessly connected mobile devices, for individualized learning<sup>3</sup>

**Seamless integration with popular curriculum software** — includes 1-year subscription and support for the SMART Learning Suite, featuring SMART Notebook<sup>®</sup>, SMART amp<sup>™</sup> and SMART Lesson Activity Builder

**Ultra short-throw interactive display** — get a large, easy-to-read 100" image from as little as 11" away with virtually no shadow interference

**Long-life, low-cost lamps** — lasts up to 10,000 hours in ECO Mode<sup>4</sup>

**DuoLink** — install two BrightLink displays side-by-side to create one seamless interactive surface<sup>5</sup>

**3x Higher Color Brightness<sup>6</sup>, and reliable performance** — 3LCD, 3-chip technology



**Specifications**

**Projection System** Epson® 3LCD, 3-chip technology  
**Projection Method** Front/rear/wall mount/table mount  
**Driving Method** Epson Poly-silicon TFT Active Matrix  
**Pixel Number** 1,024,000 dots (1280 x 800) x 3  
**Color Brightness<sup>1</sup>** Color Light Output: 3,500 lumens  
**White Brightness<sup>1</sup>** White Light Output: 3,500 lumens  
**Interactive Color Brightness<sup>1</sup>** Color Light Output: 3,500 lumens  
**Interactive White Brightness<sup>1</sup>** White Light Output: 3,500 lumens  
**Aspect Ratio** 16:10  
**Native Resolution** 1280 x 800 (WXGA)  
**Lamp Type** 250 W UHE  
**Lamp Life<sup>4</sup>**  
 ECO Mode: Up to 10,000 hours  
 Normal Mode: Up to 5,000 hours  
**Size (Projected)** (4:3) 53" – 88"; (16:10) 60" – 100"; (16:9) 59" – 97"  
**Keystone Correction (Manual)** Horizontal: ±3 degrees; Vertical: ±3 degrees  
**USB Plug 'n Play** Mac OS® 10.7/10.8/10.9/10.10/10.11/macOS™ 10.12.x  
**USB Plug 'n Play for Windows®** Windows Vista®/Windows 7/Windows 8/Windows 10  
**Contrast Ratio** Up to 14,000:1  
**Color Reproduction** Up to 1 billion colors

**Projection Lens**

**Type** Manual focus  
**F-number** 1.6  
**Focal Length** 3.7 mm  
**Throw Ratio Range** (16:10) 0.28 – 0.37, (4:3) 0.33 – 0.45, (16:9) 0.28 – 0.37  
**Zoom Ratio** Digital zoom: 1.0 – 1.35x

**Other**

**Display Performance**  
 NTSC: 480 lines  
 PAL: 576 lines (Depends on observation of the multi-burst pattern)  
**Input Signal** NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM  
**Speaker** 16 W monaural  
**Operating Temperature** 41° to 104° F (5° to 40° C)  
**Power Supply Voltage** 100 – 240 V ±10%, 50/60 Hz  
**Power Consumption**  
 373 W  
 2.2 W Standby (Communication On)  
 0.23 W Standby (Communication Off)  
**Fan Noise**  
 ECO Mode: 29 dB  
 Normal Mode: 35 dB  
**Security** Kensington lock provision, security anchor bar, Password Protection function

**Interactivity**

**Interactive Technology** Infrared, 850 nm  
**Interactive Area (Image Size)** 60" – 100" diagonal (16:10, WXGA)  
**Interactive Modes** Computer Interactivity/Input, PC-free with Whiteboard Annotation, Pen: Dual User  
**PC-free Annotation** Dual user  
**Interactive Tools** Epson Easy Interactive Tools, Dual User  
**PC Interactive Sources** USB, HDMI, Computer 1, Computer 2, LAN  
**PC-free Annotation Devices** Document Cameras, DVD/Blu-ray Disc® player, iPad®/iPad® devices, Chromebooks

**Interfaces**

2x HDMI®  
 1x HDMI/MHL®  
 Computer/Component video: 1x D-sub 15 pin  
 Composite video: 1x RCA (Yellow)  
 Audio in: 3x Mini stereo  
 USB connector: 1x Type B (USB display, audio interactivity and mouse control)  
 USB connector: 1x Type A (USB memory/document camera)  
 1x RJ-45  
 Serial: 1x RS-232c  
 Monitor Out/Computer 2: 1x D-sub 15 pin  
 Audio Out: 1x Mini stereo  
 Microphone: 1x Mini stereo  
 Wireless LAN port: 802.11 b/g/n (optional – module sold separately)  
 Interactive Synchronization Mini stereo In  
 Interactive Synchronization Mini stereo Out

**Interactivity (continued)**

**Calibration Method** Automatic or Manual  
**Interactive Connectivity** USB cable for non-networked  
**Interactive Software Requirements**  
 Epson Easy Interactive Driver (Mac and PC — required for DuoLink); Windows and Linux: driver required  
 Mac: Mac OS X® 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x  
 Epson Easy Interactive Tools for Windows and Mac  
**System Compatibility**  
 Microsoft® Windows Vista, Windows Vista SP1, Windows Vista SP2 (All editions except for Starter), Windows 8/8.1, Windows 10, Windows 7 SP1 (All editions except for Starter)  
 Mac OS 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x  
**SMART Learning Suite System Requirements**  
**Supported Operating Systems**  
 Windows 7 SP1, Windows 8/8.1, Windows 10, Mac OS X 10.9, 10.10, 10.11, macOS 10.12  
**Minimum Processor** Intel Core 2 Duo  
**Minimum RAM** 2GB (4GB for UHD displays)  
**Minimum Hard Disk Space** 3GB (Windows); 3GB (Mac)

**Interactive Input Device**

**Type of Interactive Input Device** Digital pen  
**Interactive Pen Functions** Mouse Functions (left and right click), Electronic Pen, LED Battery Status Indicator  
**Interactive Pen Power** AA battery, rechargeable  
**Compatible Pen Battery Types** Eneloop® batteries (included), Manganese dry cell, alkaline dry cell  
**Interactive Pen Dimensions** 6.3" x 0.94" (diameter)  
**Interactive Pen Weight** 1.1 oz (without battery)

**Dimensions (W x D x H)**

14.5" x 15.8" x 5.9"  
**Weight** 12.8 lb

**Remote Control**

**Features** Computer, Video/HDMI, USB, LAN, Source Search, Power, Aspect, Color Mode, Volume, E-Zoom, A/V Mute, Freeze, Menu, Help, Auto, Enter, ESC, Pointer, Home, Split, Pen Mode, Link Menu  
**Operating Angle**  
 Rear: Right/left: -55 to +55 degrees, Upper/lower: +75 to +15 degrees  
 Front: Right/left: -30 to +30 degrees, Upper/lower: 0 to +60 degrees  
**Operating Distance** 19.7 ft (6 m)



**Eco Features**

RoHS compliant  
 Recyclable product<sup>7</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>8</sup>

**Support**

**Epson Connection™**  
 Pre-sales support  
 U.S. and Canada: 800-463-7766  
 www.epson.com

**Service Programs** 2-year projector limited warranty, Epson Road Service program, PrivateLine® dedicated toll-free support and 90-day limited lamp warranty

**What's in the Box**

BrightLink 685Wi ultra short-throw interactive projector, Quick Start Guide, power cable, USB A/B cable, USB extender cable, electronic user manual, interactive driver for Mac and PC, Epson Easy Interactive Tools, Network Management software, projector remote control, two (2) interactive pens, pen tray, two (2) AA batteries (for interactive pens) plus battery charger, two (2) AA batteries (for remote), SMART Learning Suite redemption code

**Ordering Information**

BrightLink 685Wi	V11H741522
Genuine Epson Lamp	V13H010L91
Air Filter	V13H134A49
PowerLite® Pilot™ 2 (ELPCB02)	V12H614020
Active Speakers (ELPSP02)	V12H467020
Wireless 802.11b/g/n LAN Unit (ELPAP10)	V12H731P02
100" Whiteboard	V12H831000
Interactive Pen A (orange)	V12H773010
Interactive Pen B (blue)	V12H774010
Replacement Pen Tips (hard/Teflon®)	V12H775010
Replacement Pen Tips (soft/felt)	V12H776010
Ultra Short-throw Wall Mount (ELPMB46)	V12H777020

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**Epson America, Inc.**  
 3840 Kilroy Airport Way, Long Beach, CA 90806

**Epson Canada Limited**  
 185 Renfrew Drive, Markham, Ontario L3R 6G3

**www.epson.com**  
**www.epson.ca**

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