

# EB-685Wi



## DATASHEET / BROCHURE



Innovative pen-interactive teaching solution with a large scalable screen of up to 100 inches, designed to enhance collaborative learning.

This projector offers superb interactivity thanks to its dual pen capability. With a brightness of 3,500 lumens and HD-ready WXGA resolution, the EB-685Wi's ultra-short-throw design allows you to present large images from a very short distance with minimised shadows and glare. A 14,000:1 contrast ratio and HDMI input mean that students benefit from sharp, clear images.

### High brightness and image quality

Epson's 3LCD technology ensures high-quality images with equally high White and Colour Light Output for vivid colours and bright images, even in daylight, and three times brighter colours than competitive projectors<sup>1</sup>. With a scalable display size of up to 100 inches, two types of content can be displayed using the split-screen without compromising on quality.

### Dual pen

Epson's interactive pens are now even more responsive and easy to use when annotating directly on screen. With the new dual pens, teacher and student or two students can work simultaneously using different attributes.

### Highly reliable

Project for longer with improved reliability and a longer lamp life of up to 10,000 hours in eco mode.

### Interact and enhance learning

Multi-PC projection software allows teachers and students to share content simultaneously. The moderator function allows teachers to remain in control, choosing what content to display. Combine two projectors to create one large interactive display. Split-screen capability allows teachers to display two separate types of content simultaneously, such as a lesson plan from a PC and a still image or video clip from a document camera.

### Optional wireless capability

Wirelessly display content easily from a range of smart devices and Google Chromebooks using our iProjection App<sup>2</sup>.

## KEY FEATURES

- **Up to 100-inch display and outstanding quality**  
HD-ready WXGA resolution with Epson 3LCD technology
- **Dual-pen annotation**  
Two users can annotate at once using the included pens
- **Reliable**  
Improved reliability and a longer lamp life
- **Multi-screen interactivity**  
Combine two projectors to create one large interactive display
- **Wireless Connectivity (Optional)**  
Allows content to be shown from a range of devices
- **Legal Statement**  
Complies with The UK Product Security and Telecommunications Infrastructure (Product Security) requirements. Epson will provide security updates for 7 years from purchase

## PRODUCT SPECIFICATIONS

### TECHNOLOGY

Projection System	3LCD Technology
LCD Panel	0.59 inch with D9

### IMAGE

Color Light Output	3,500 Lumen- 2,900 Lumen (economy) In accordance with IDMS15.4
White Light Output	3,500 Lumen - 2,900 Lumen (economy) In accordance with ISO 21118:2020
Resolution	WXGA 2
High Definition	HD ready
Aspect Ratio	16:10
Contrast Ratio	14,000 : 1
Light source	Lamp
Lamp	250 W, 5,000 h durability, 10,000 h durability (economy mode), 9,000 h durability (economy mode)
Keystone Correction	Manual vertical: $\pm 3^\circ$ , Manual horizontal $\pm 3^\circ$
Colour Video Processing	10 Bits
2D Vertical Refresh Rate	100 Hz - 120 Hz
Colour Reproduction	Upto 1.07 billion colours

### OPTICAL

Throw Ratio	0.28 - 0.37:1
Zoom	Digital, Factor: 1 - 1.35
Lens	Optical
Screen Size	60 inches - 100 inches
Projection Distance Wide	0.4 m ( 60 inch screen
Projection Distance Tele	0.6 m ( 100 inch screen
Projection Lens F Number	1.6
Projection Lens Focal Length	3.7 mm
Projection Lens Focus	Manual
Offset	6 : 1

### CONNECTIVITY

USB Display Function	3 in 1: Image / Mouse / Sound
Interfaces	USB 2.0-A, USB 2.0, RS-232C, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN IEEE 802.11b/g/n (optional), VGA in (2x), VGA out, HDMI in (3x), Composite in, RGB in (2x), RGB out, MHL, Jack plug out, Jack plug in (3x), Microphone input, Sync. in, Sync. out
Epson iProjection App	Ad-Hoc / Infrastructure

### ADVANCED FEATURES

Security	Kensington lock, Password lock, Security cable hole, Wireless LAN unit lock, Wireless LAN security, Password protection
2D Colour Modes	Dynamic, Cinema, Presentation, sRGB, Blackboard
Other features	AV Mute Slide, Auto Calibration, Auto brightness adjustment, Automatic input selection, Built-in speaker, CEC compatible, Customizable user logo, Digital zoom, Direct Power on/off, Document Camera Compatible, Dynamic lamp control, Easy OSD pre-setting, Home Screen, Interactive, Long lamp life, MHL audio/video interface, Microphone input, PC Interactive, PC free annotation, Split-Screen-Function
Interactivity	Yes - pen
Video Color Modes	Blackboard, Cinema, Dynamic, Presentation, sRGB, Whiteboard
Projector control	via: AMX, Crestron, Control4

## EB-685Wi

### WHAT'S IN THE BOX

- Interactive pens
- Power cable
- Remote control incl. batteries
- USB cable
- Pen tray
- Quick Start Guide
- Wall hanging bracket
- Warranty card
- User Manual (CD-ROM)
- Main unit
- Safety Cable

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## PRODUCT SPECIFICATIONS

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EB-685Wi

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### GENERAL

Power consumption	301 Watt (Normal On-Mode), 258 Watt (Eco On-Mode), 354 Watt (Normal Peak-mode), 309 Watt (Eco Peak-Mode), 0.37 Watt (Energy saving standby)
Supply Voltage	AC 100 V - 240 V, 50 Hz - 60 Hz
Product dimensions	367 x 400 x 149 mm (Width x Depth x Height)
Product weight	5.9 kg
Noise Level	Normal: 35 dB (A) - Economy: 30 dB (A) - Eco2: 29 dB (A)
Supported Temperature	Operation 5° C - 35° C, Storage -10° C - 60° C
Supported Humidity	Operation 20% - 80%, Storage 10% - 90% If the projector is suspended from a ceiling or wall mount and installed in an environment with heavy oil smoke or places where oils or chemicals are volatilized, places where a lot of smoke or bubbles are used for event staging, or where aroma oils are frequently burned, it can make certain parts of our products susceptible to a material degradation which over time could break and cause the projector to drop from the ceiling.  If you are concerned about the environment in which your projector is installed, or if you have any other questions, please contact our support department and they can provide additional assistance.
Included Software Options	Easy Interactive Tools, EasyMP Multi PC Projection, Epson Projector Management
Compatible Operating Systems	Air filter ELPAF38, Connection and control box, Document camera, External Speaker, Pen tip(Felt), Pen tip(Teflon), USB extension cable, Wireless LAN unit Linux, Mac OS 10.10.x, Mac OS 10.7.x, Mac OS 10.8.x, Mac OS 10.9.x, Ubuntu 14.10, Ubuntu 15.04, Ubuntu 15.10, Ubuntu 16.04 LTS, Windows 10, Windows 8, Windows 8.1
Loudspeaker	16 Watt
Room Type / Application	Meeting room / Classroom
Positioning	Wall Mounted
Colour	White / Grey

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### OTHER

Warranty	60 months Carry in or 8,000 h, Lamp: 60 months or 1,000 h Optional warranty extension available
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## OPTIONAL ACCESSORIES

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**EB-685Wi**

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- ELPLP91  
V13H010L91
- Wireless LAN Adapter - ELPAP10  
V12H731P01
- Active Speakers (2 x 15W) - ELPPS02  
V12H467040DA
- Air Filter - ELPAF49  
V13H134A49
- Interactive Pen - ELPPN05A - Orange - EB-6xxWi/Ui / 14xxUi  
V12H773010
- Interactive Pen - ELPPN05B - Blue - EB-6xxWi/Ui / 14xxUi  
V12H774010
- Replacement Hard Pen Tip - ELPPS03 (6pcs)  
V12H775010
- Replacement Soft Pen Tip - ELPPS04 (12pcs)  
V12H776010
- Control and Connection Box - ELPCB03  
V12H927040DA

## LOGISTICS INFORMATION

SKU	V11H741041
EAN code	8715946605166
Country of Origin	Philippines
Layer	2 Units
Layer Block	2 Units

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## Wireless Presentation Systems

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- Epson ELPWP20 - Wireless Presentation System  
V12HA42040

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## Visualizers

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- ELPDC07  
V12H759040
- ELPDC13  
V12H757040DA
- ELPDC21  
V12H758040DA

For more information please contact:

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Or visit us at <https://www.epson.co.uk/contactus>  
\* 10p per minute plus network extras.

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1. - Colour Brightness (Colour Light Output) measured in accordance with IDMS 15.4. Colour Brightness will vary depending on usage conditions. Leading Epson 3LCD business and education projectors compared to leading one-chip DLP projectors, based on NPD data for June 2013 through May 2014 and PMA Research data for Q1 through Q3 2013. For more information please visit [www.epson.eu/CLO](http://www.epson.eu/CLO)  
2. - iProjection App available on Android and iOS devices, and Google Chromebooks.

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